

TA-H7700D

SERVICE MANUAL

*AEP Model
E Model
Tourist Model*



This set is the Amplifier section in FH-E959, MHC-7700D.

SPECIFICATIONS

Continuous RMS power output

For satellite speaker:
28 + 28 watts (8 ohms at
1 kHz, DIN)
33 + 33 watts (8 ohms at
1 kHz, 5% THD)
For bass speaker:
32 + 32 watts (6 ohms at
110 Hz, DIN)
37 + 37 watts (6 ohms at
110 Hz, 5% THD)

Music power output

(for AEP, G and IT model)

For satellite speaker:
50 + 50 watts (8 ohms at
1 kHz, 10% THD)
For bass speaker:
55 + 55 watts (6 ohms at
110 Hz, 10% THD)

Peak music power output

(for E, EA and JE model)

700 watts (4 speakers driven)

Inputs

ADAPTOR (pin jacks)
(for E, EA and JE model):
sensitivity 260 mV
impedance 47 kilohms



Outputs

HEADPHONES
(stereo minijack):
accepts headphones of
8 ohms or more
ADAPTOR (pin jack)
(for E, EA and JE model):
output level 260 mV
impedance 1 kilohm
SPEAKER (SATELLITE):
accepts speakers of
8 to 16 ohms
SPEAKER (BASS):
accepts speakers of
6 to 16 ohms

Design and specifications subject to change without notice.

- G : Germany model
- IT : Italian model
- EA : Saudi Arabia model
- JE : Tourist model

SAFETY-RELATED COMPONENT WARNING!!

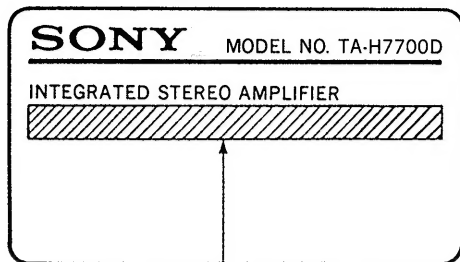
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

INTEGRATED STEREO AMPLIFIER
SONY[®]

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MODEL IDENTIFICATION

— Model Number Label —



AEP model : AC: 220—230V~50/60Hz

Italian model : AC: 220—230V~50Hz

Germany model : SYSTEM MHC-7700D

AC: 220—230V~50Hz

E, EA, JE model: AC: 120/220/240V~50/60Hz 150W

• EA : Saudi Arabia model

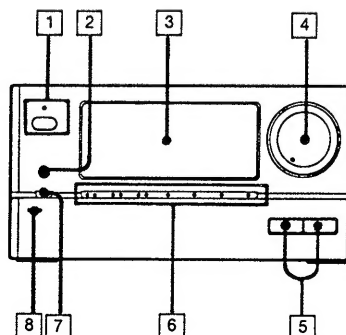
JE : Tourist model

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SECTION 1
GENERALThis section is extracted from
instruction manual.

1-1. PARTS IDENTIFICATION

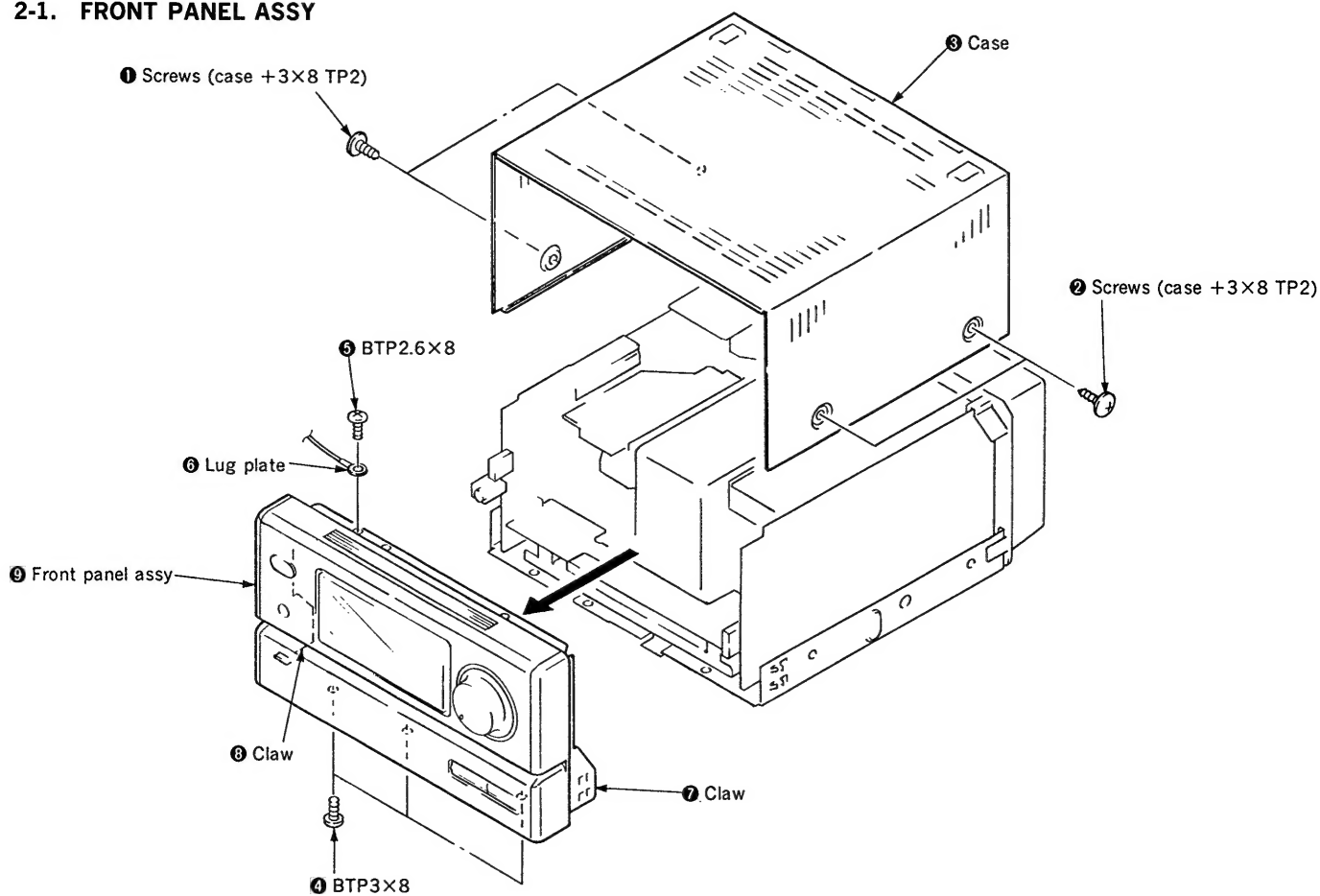
- 1** SYSTEM POWER switch and
STANDBY indicator
The indicator remains lit as long as the
AC power cord is connected to a wall
outlet.
- 2** HEADPHONES jack (stereo minijack)
- 3** Display window
- 4** VOLUME control **28**
- 5** VIDEO and AUDIO FUNCTION
selectors **22** **142**
- 6** Function indicators **22** **142**
- 7** WAKE UP VOL SET indicator **140**
- 8** OPEN tab



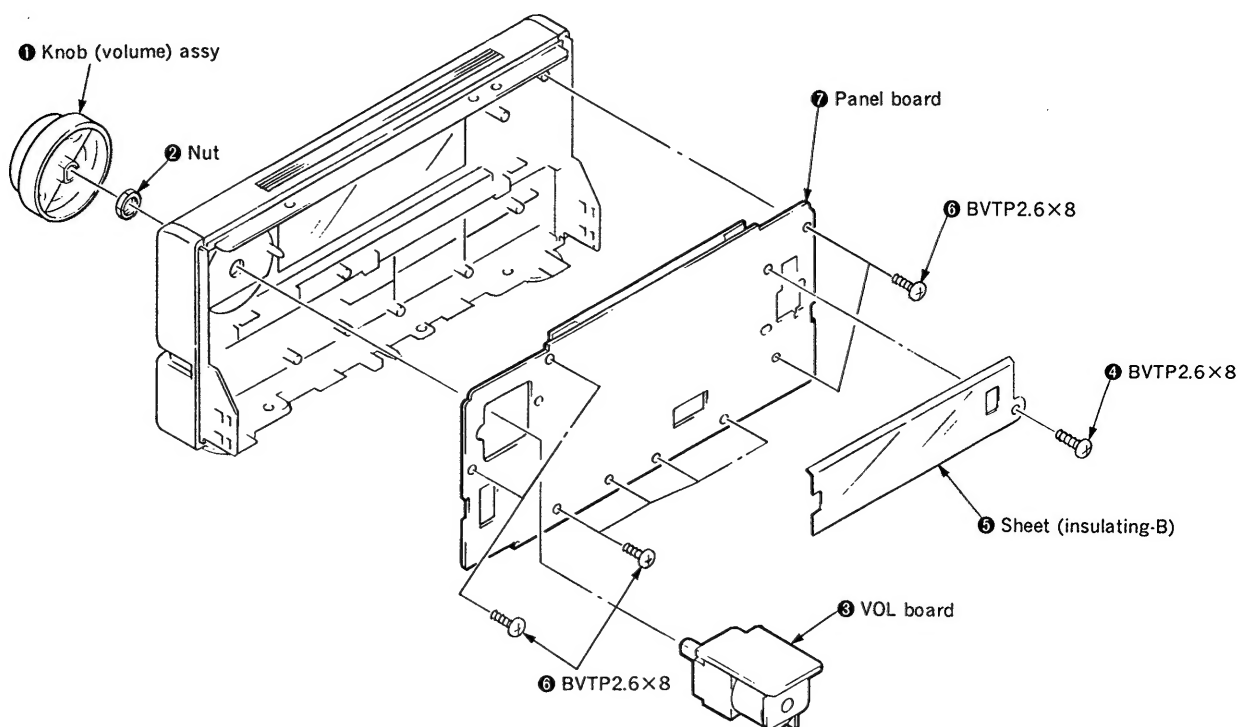
SECTION 2 DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

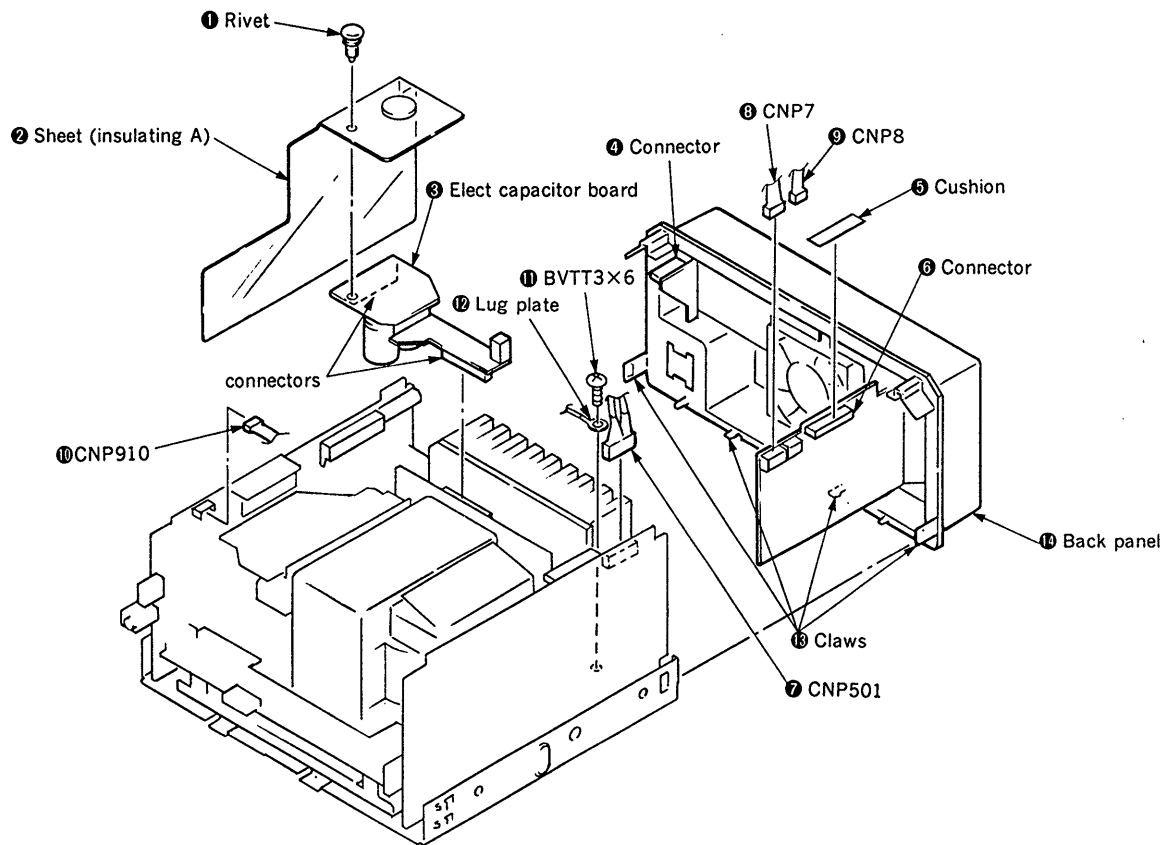
2-1. FRONT PANEL ASSY



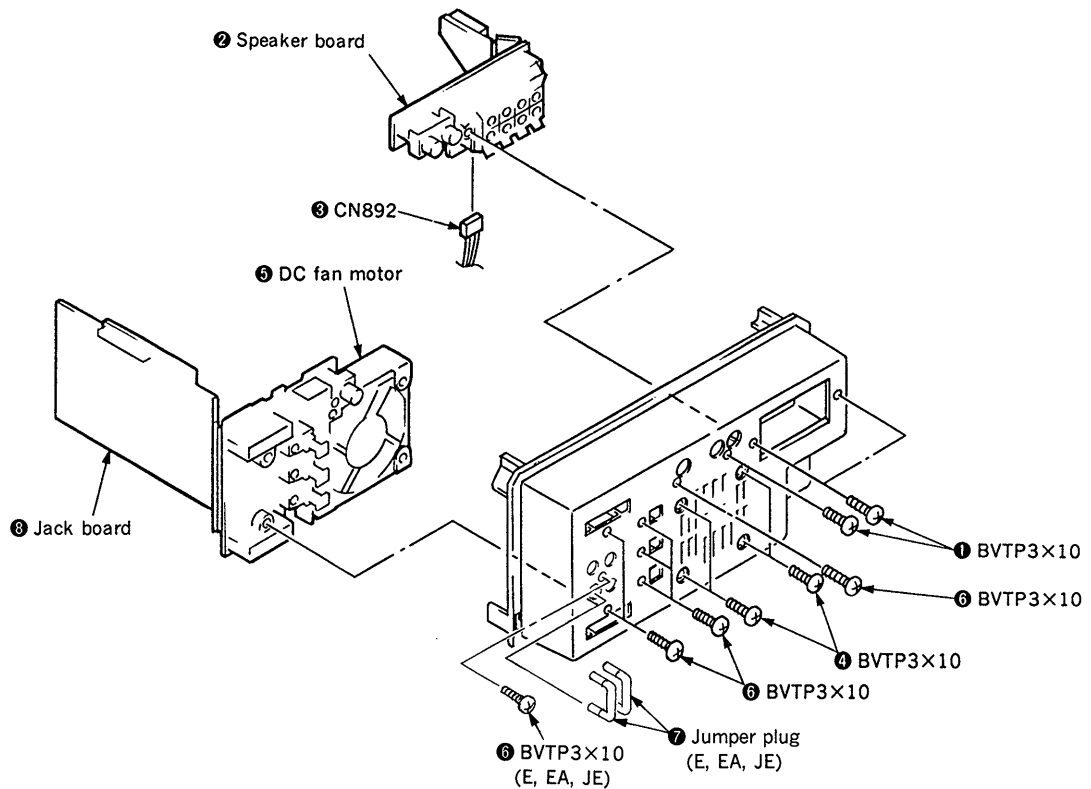
2-2. PANEL BOARD



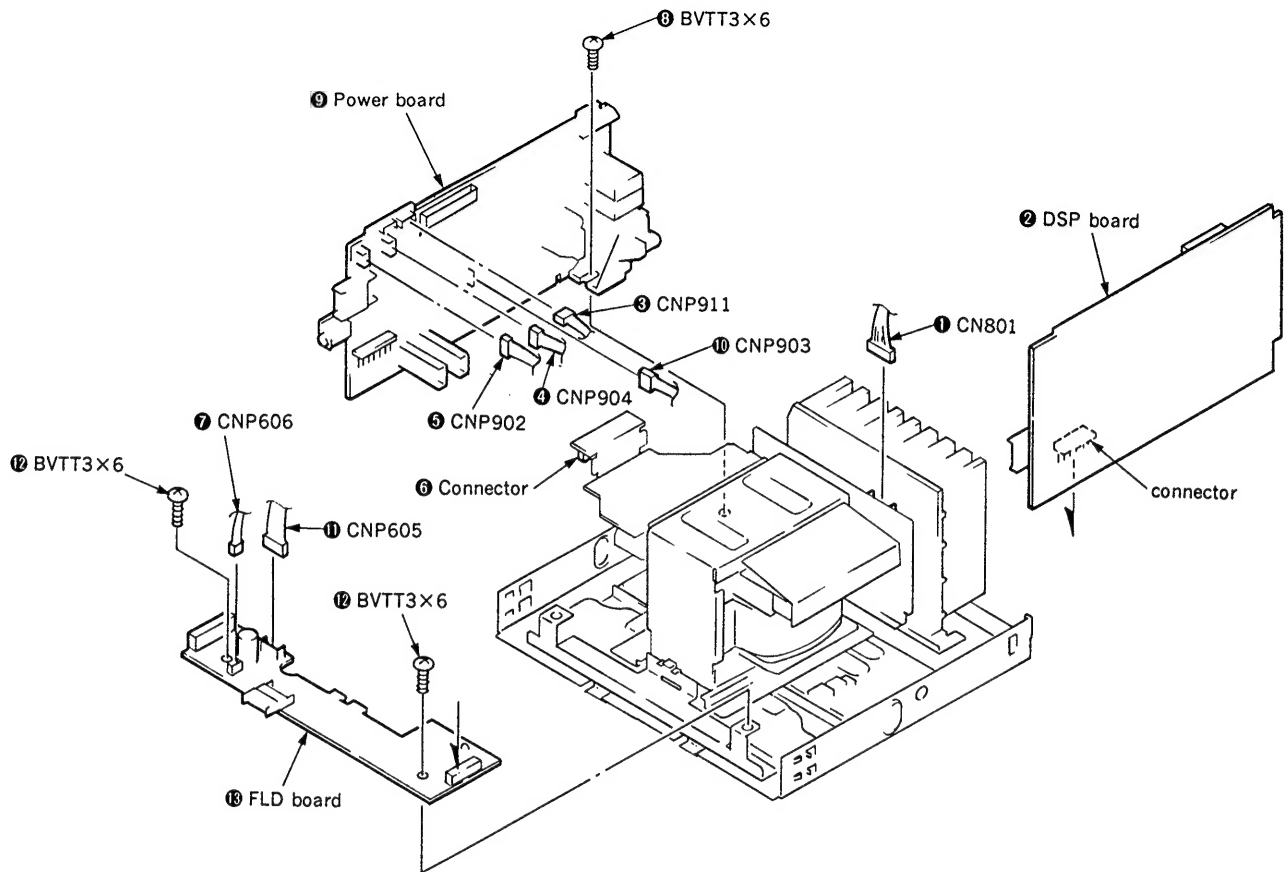
2-3. BACK PANEL



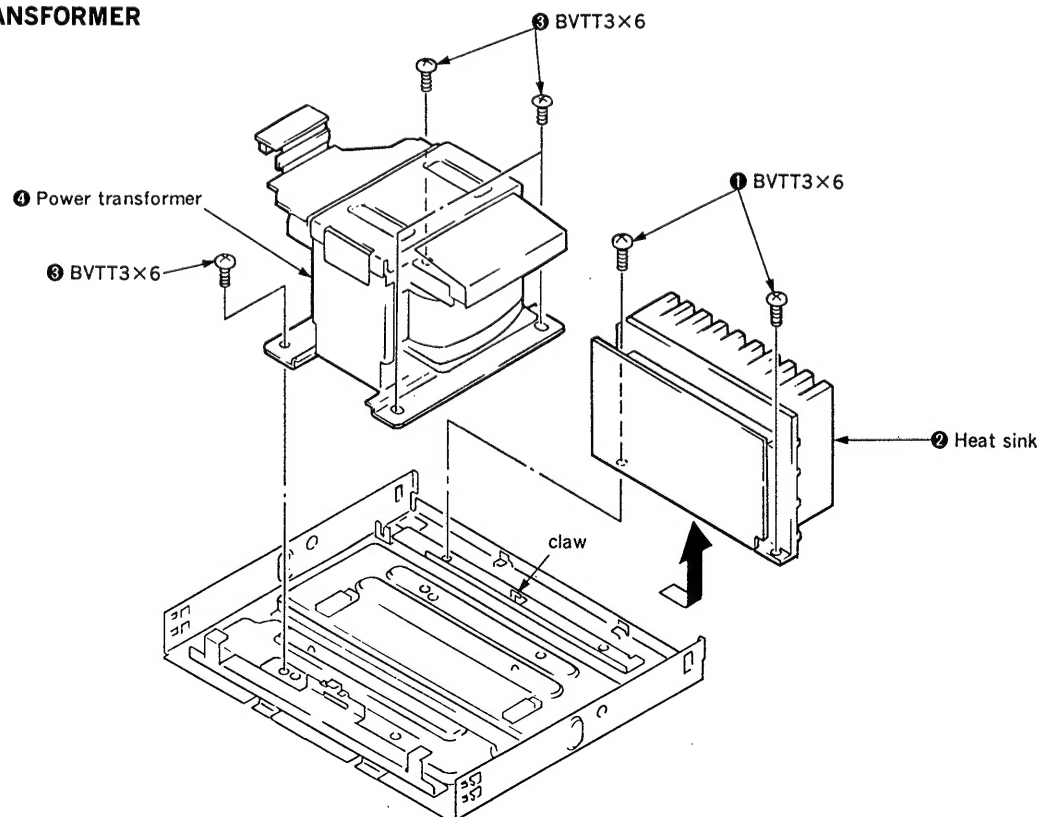
2-4. JACK BOARD, SPEAKER BOARD



2-5. POWER BOARD, DSP BOARD

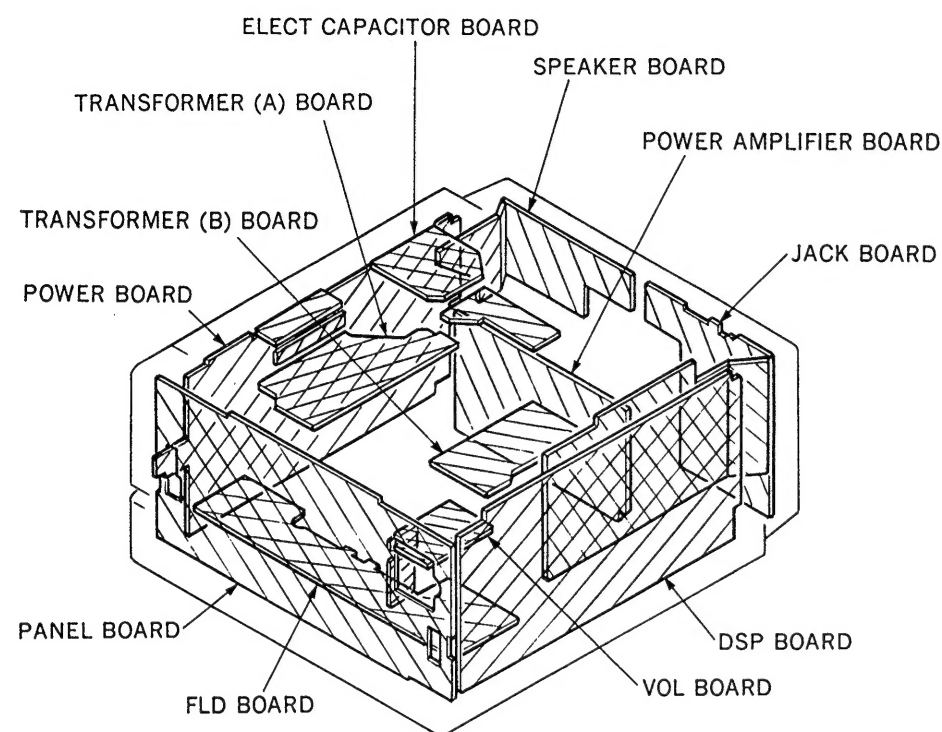


2-6. POWER TRANSFORMER

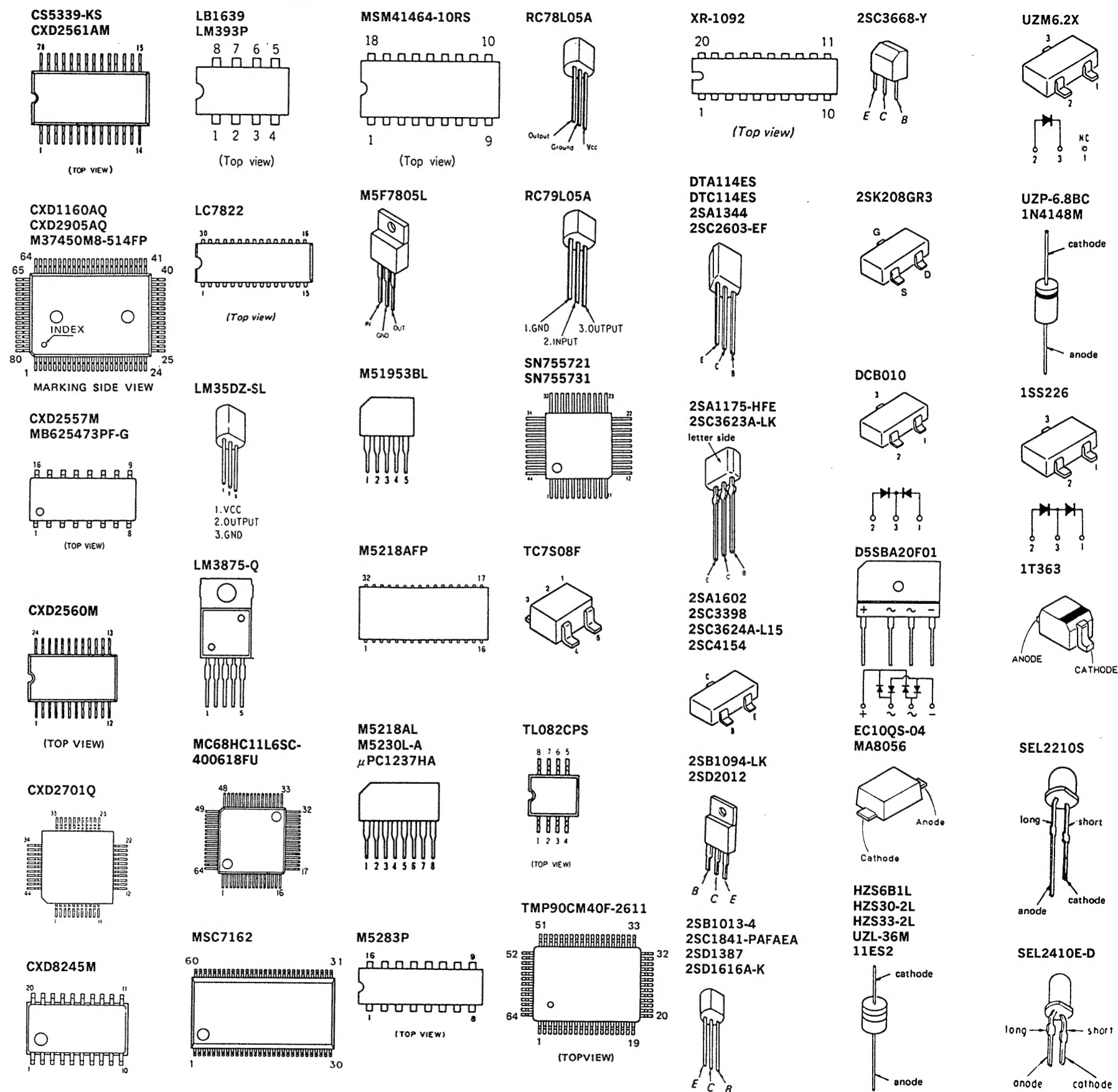


SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. SEMICONDUCTOR LEAD LAYOUTS

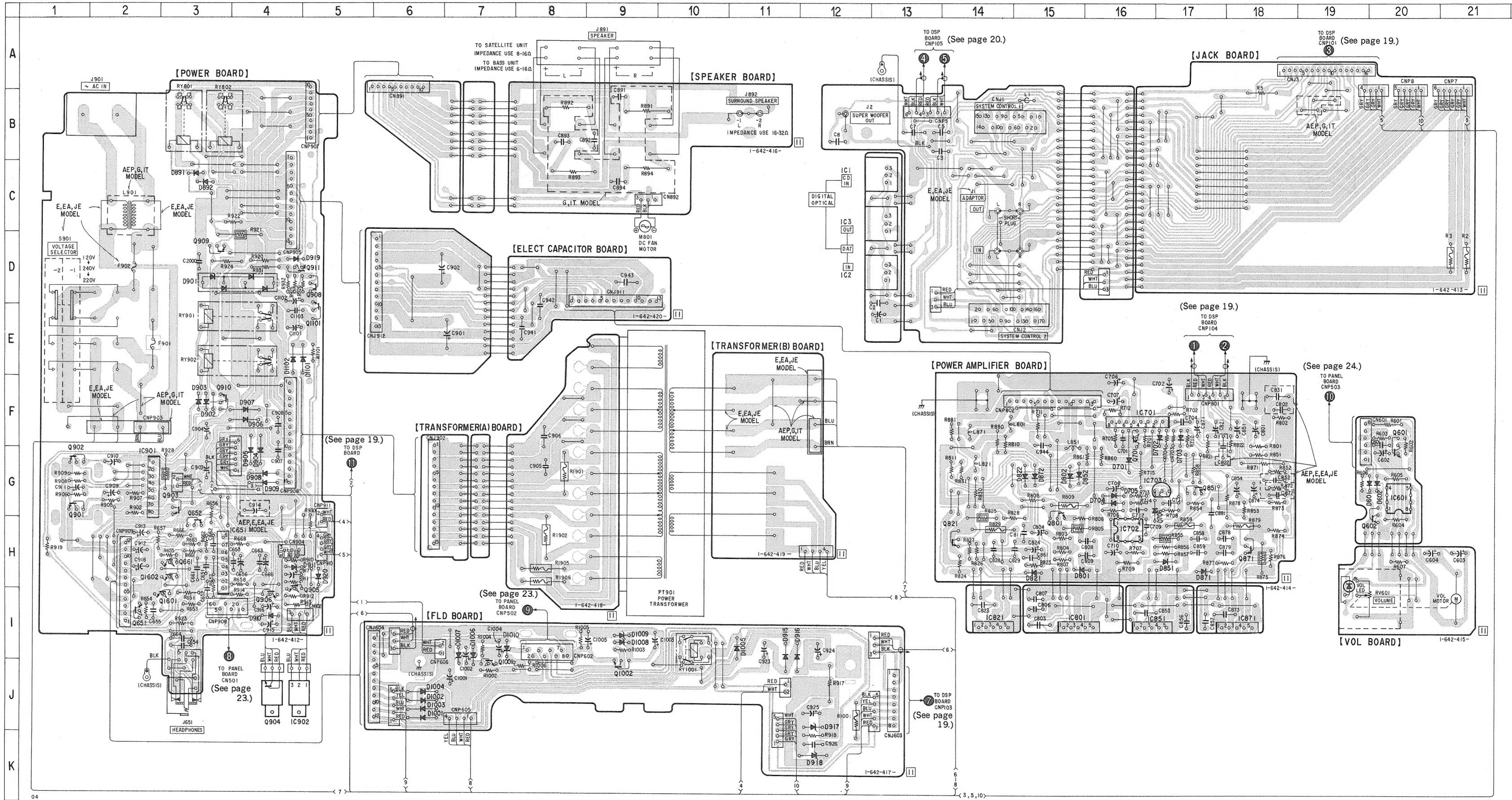


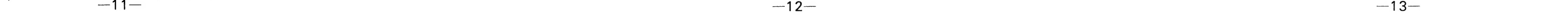
● Semiconductor Location

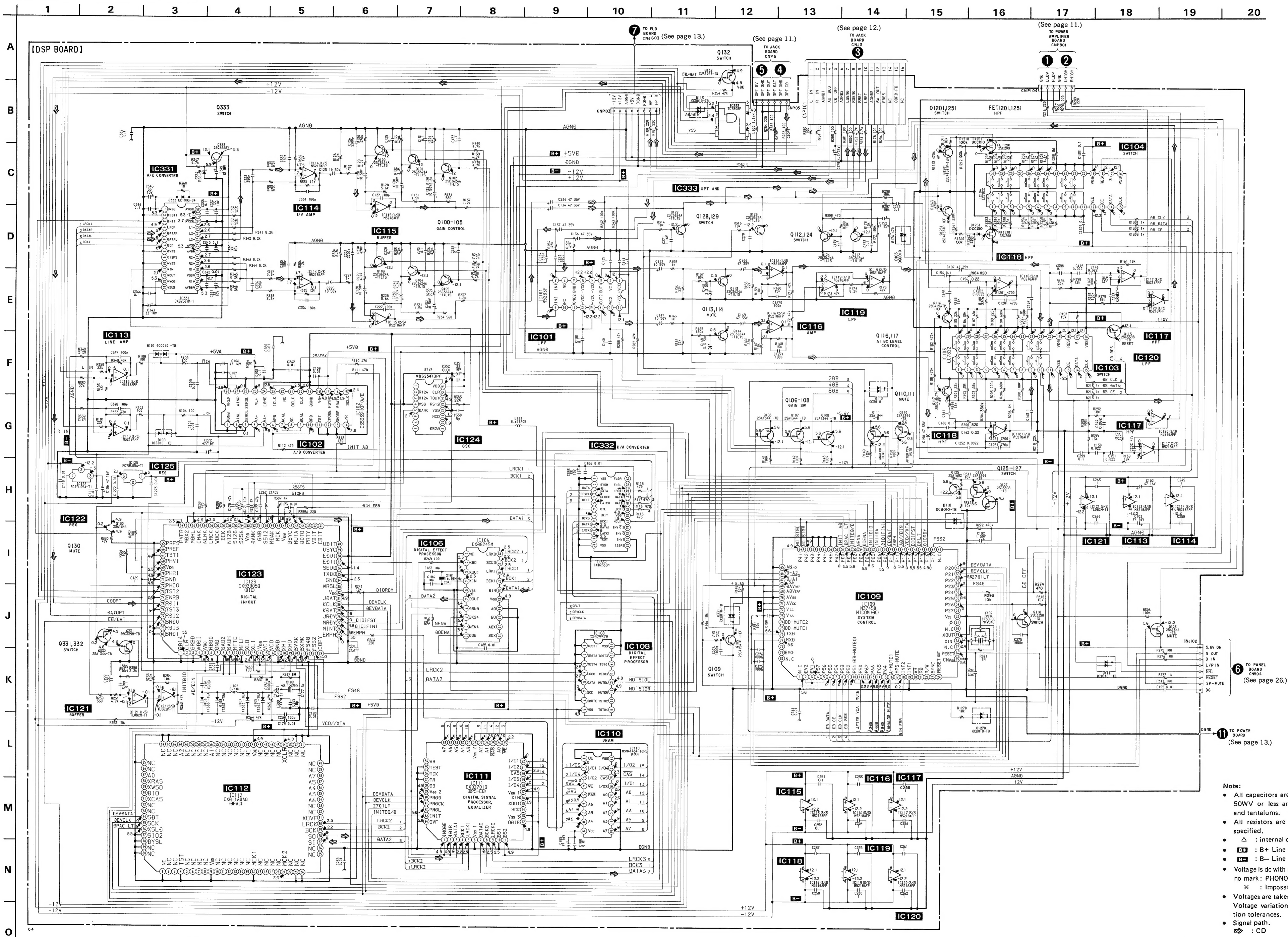
Ref. No.	Location	Ref. No.	Location
D601	G-20	IC1	C-13
D602	G-20	IC2	D-13
D701	G-16	IC3	C-13
D702	F-17	IC601	G-20
D703	F-17	IC651	H-3
D704	G-16	IC701	F-16
D705	G-16	IC702	H-16
D706	G-17	IC703	G-17
D801	H-15	IC801	I-15
D802	G-15	IC821	I-14
D821	H-15	IC851	I-16
D822	G-15	IC871	I-18
D851	H-17	IC901	G-2
D852	G-15	IC902	J-4
D871	H-17		
D872	G-15	Q601	F-20
D891	C-3	Q602	G-20
D892	C-3	Q651	I-2
D901	D-3	Q652	H-3
D902	F-3	Q661	H-3
D903	F-3	Q701	F-16
D904	G-4	Q801	H-15
D905	G-4	Q821	H-14
D906	F-4	Q851	G-17
D907	F-4	Q871	H-18
D908	G-4	Q901	G-1
D909	G-4	Q902	G-1
D910	I-4	Q903	G-3
D911	H-4	Q904	J-4
D915	I-11	Q905	H-4
D916	I-11	Q906	H-4
D917	J-12	Q908	D-5
D918	K-12	Q909	D-3
D919	D-5	Q910	F-3
D920	H-5	Q911	D-5
D1001	J-6	Q1001	J-7
D1002	J-6	Q1002	J-9
D1003	J-6	Q1101	E-5
D1004	J-6	Q1601	I-3
D1005	I-11	Q1602	H-3
D1006	I-7		
D1007	I-7		
D1008	I-9		
D1009	I-9		
D1010	I-7		
D1101	E-4		
D1102	E-4		

Note:
● — : parts extracted from the component side.
● G : Germany model
IT : Italian model
EA : Saudi Arabia model
JE : Tourist model

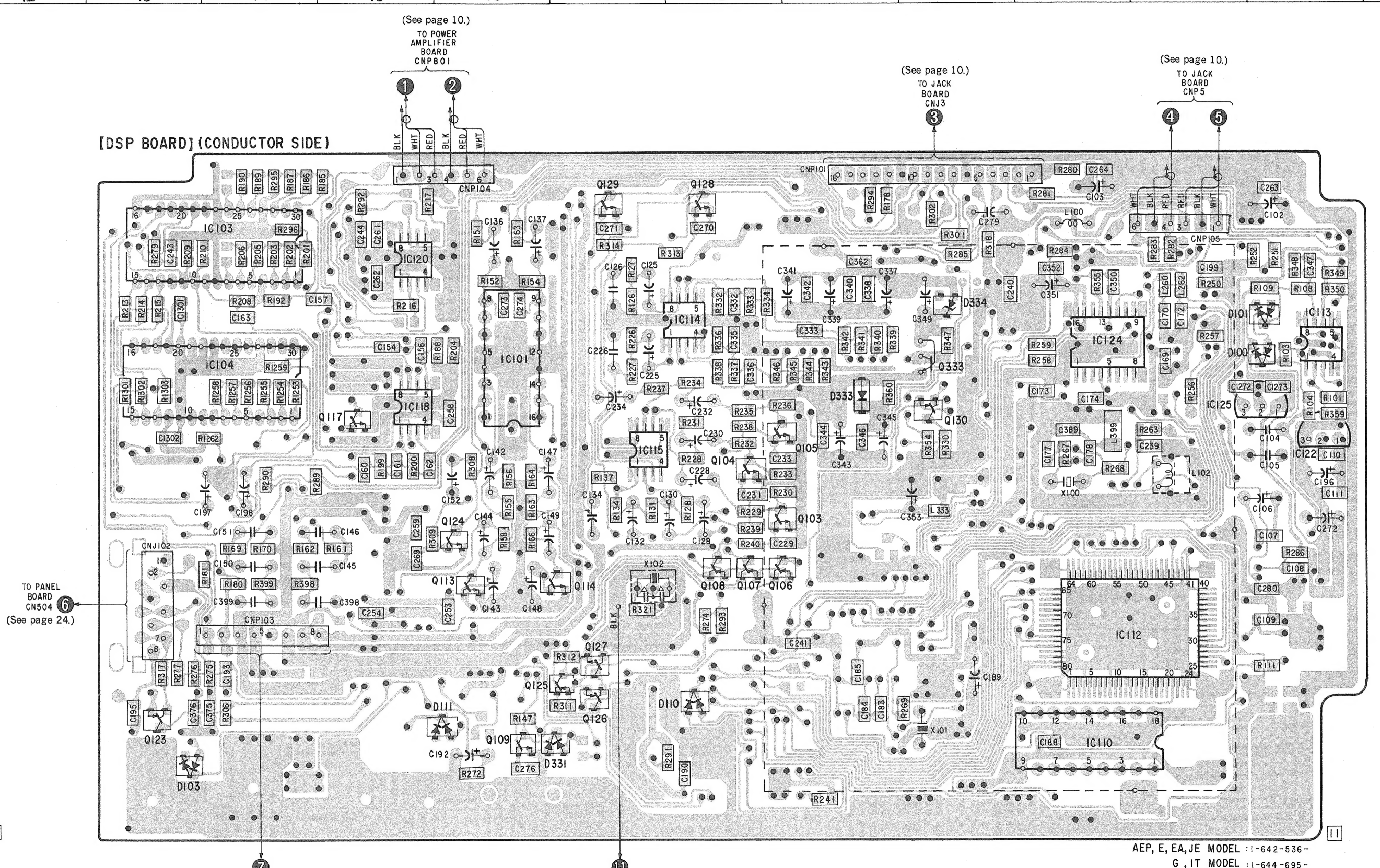
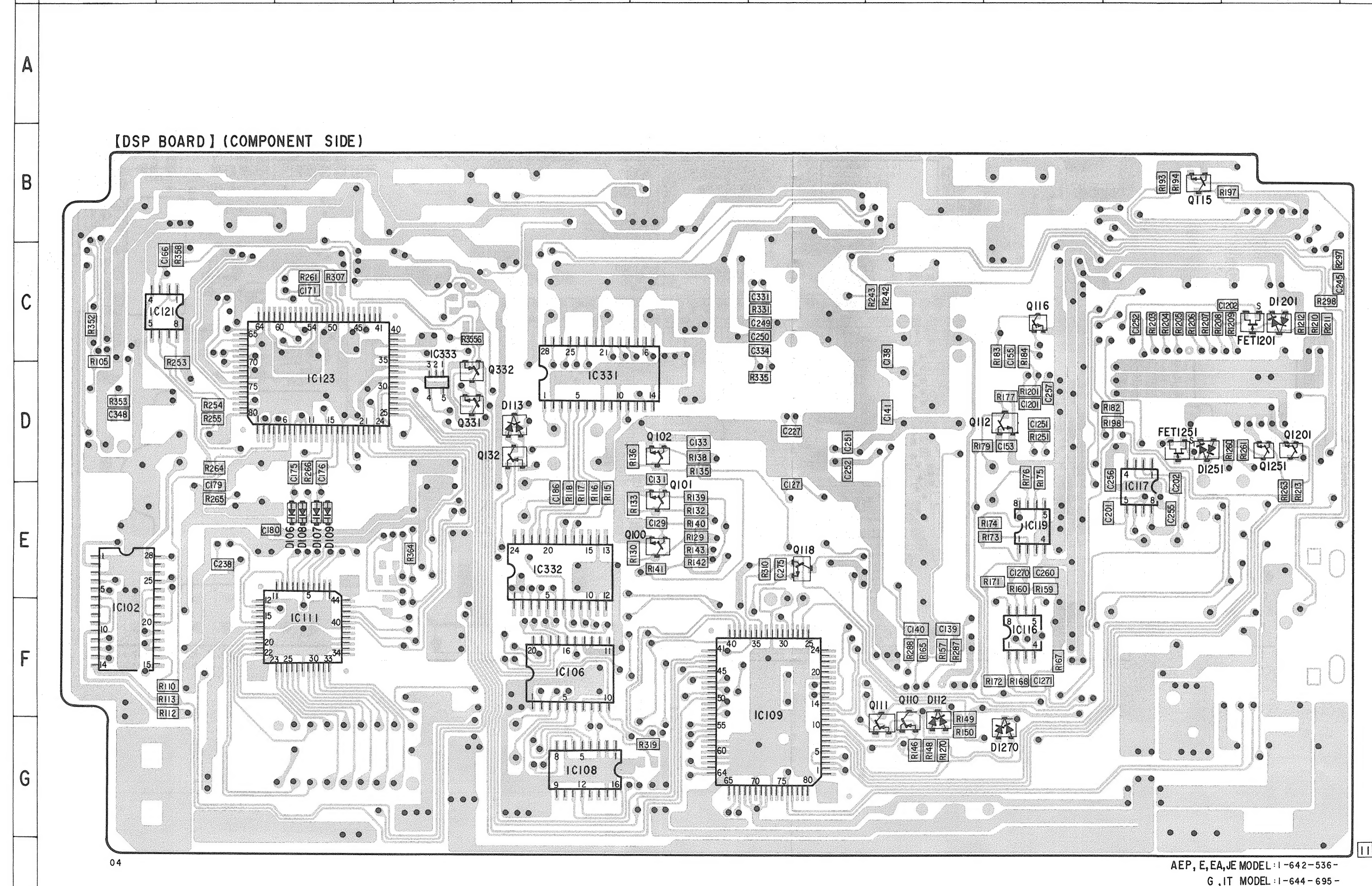
3-3. PRINTED WIRING BOARDS — POWER/JACK/VOLUME SECTION — ● Refer to page 6 for Semiconductor Lead Layouts.







- Note:
- All capacitors are in μF unless otherwise noted, pF: μF 50V or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - Δ : internal component.
 - $B+$: B+ Line
 - $B-$: B- Line
 - Voltage is dc with respect to ground under no-signal conditions. no mark: PHONO
 - *: Impossible measurement point
 - Volts are taken with a VOM (Input Impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
 - Signal path.
 - \Rightarrow : CD

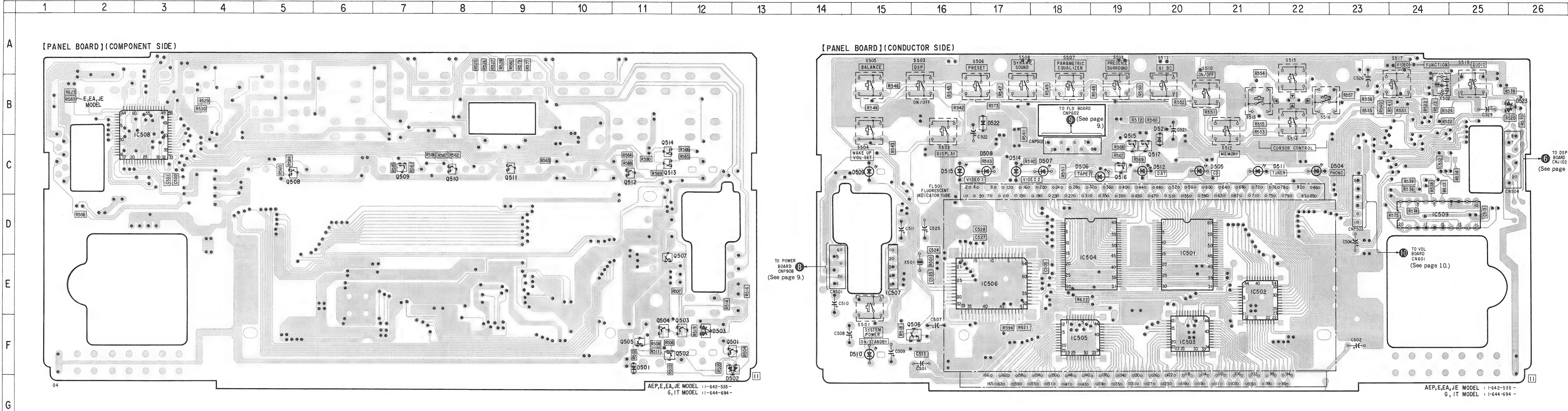


Ref. No.	Location	Ref. No.	Location
D100	C-23	IC123	D-3
D101	C-23	IC124	C-21
D103	G-13	IC125	D-23
D106	E-3	IC331	D-5
D107	E-3	IC332	E-5
D108	E-3	IC333	D-4
D109	E-3		
D110	F-18	Q100	E-6
D111	G-16	Q101	E-6
D112	G-8	Q102	D-6
D113	D-4	Q103	E-18
D331	G-16	Q104	D-18
D333	D-19	Q105	D-18
D334	C-20	Q106	E-18
D1201	C-11	Q107	E-18
D1251	D-10	Q108	E-18
D1270	G-9	Q109	G-16
		Q110	G-8
FET1201	C-11	Q111	G-8
FET1251	D-10	Q112	D-9
		Q113	E-16
IC101	D-16	Q114	E-16
IC102	F-1	Q115	B-10
IC103	C-14	Q116	C-9
IC104	D-14	Q117	D-15
IC106	F-5	Q118	E-7
IC108	G-5	Q123	G-13
IC109	F-7	Q124	E-16
IC110	G-21	Q125	F-17
IC111	F-3	Q126	F-17
IC112	F-21	Q127	F-17
IC113	C-23	Q128	B-18
IC114	C-18	Q129	B-17
IC115	D-17	Q130	D-20
IC116	F-9	Q132	D-4
IC117	E-10	Q331	D-4
IC118	D-15	Q332	D-4
IC119	E-9	Q333	C-20
IC120	C-15	Q1201	D-11
IC121	C-2	Q1251	D-11
IC122	D-23		

- G : Germany model
- IT : Italian model
- EA : Saudi Arabia model
- JE : Tourist model

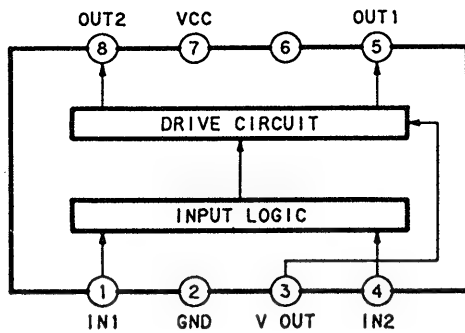
● Semiconductor Location 3-7. PRINTED WIRING BOARD — PANEL SECTION — ● Refer to page 6 for Semiconductor Lead Layouts.

Ref. No.	Location
D501	F-11
D502	F-13
D503	F-12
D504	C-22
D505	C-20
D506	C-19
D507	C-18
D508	C-17
D509	C-15
D510	F-15
D511	C-21
D512	C-19
D514	C-17
D515	C-16
D521	C-20
D522	B-17
D523	B-25
IC501	D-20
IC502	E-21
IC503	F-20
IC504	D-18
IC505	F-18
IC506	E-17
IC507	E-15
IC508	C-3
IC509	D-24
Q501	F-13
Q502	F-11
Q503	F-12
Q504	F-11
Q505	F-11
Q506	F-15
Q507	E-11
Q508	C-5
Q509	C-7
Q510	C-8
Q511	C-9
Q512	C-11
Q513	C-11
Q514	C-11
Q515	C-19
Q516	C-19
Q517	C-19

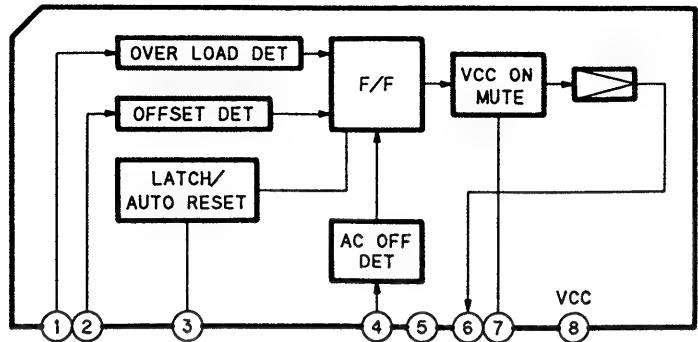


● IC Block Diagrams

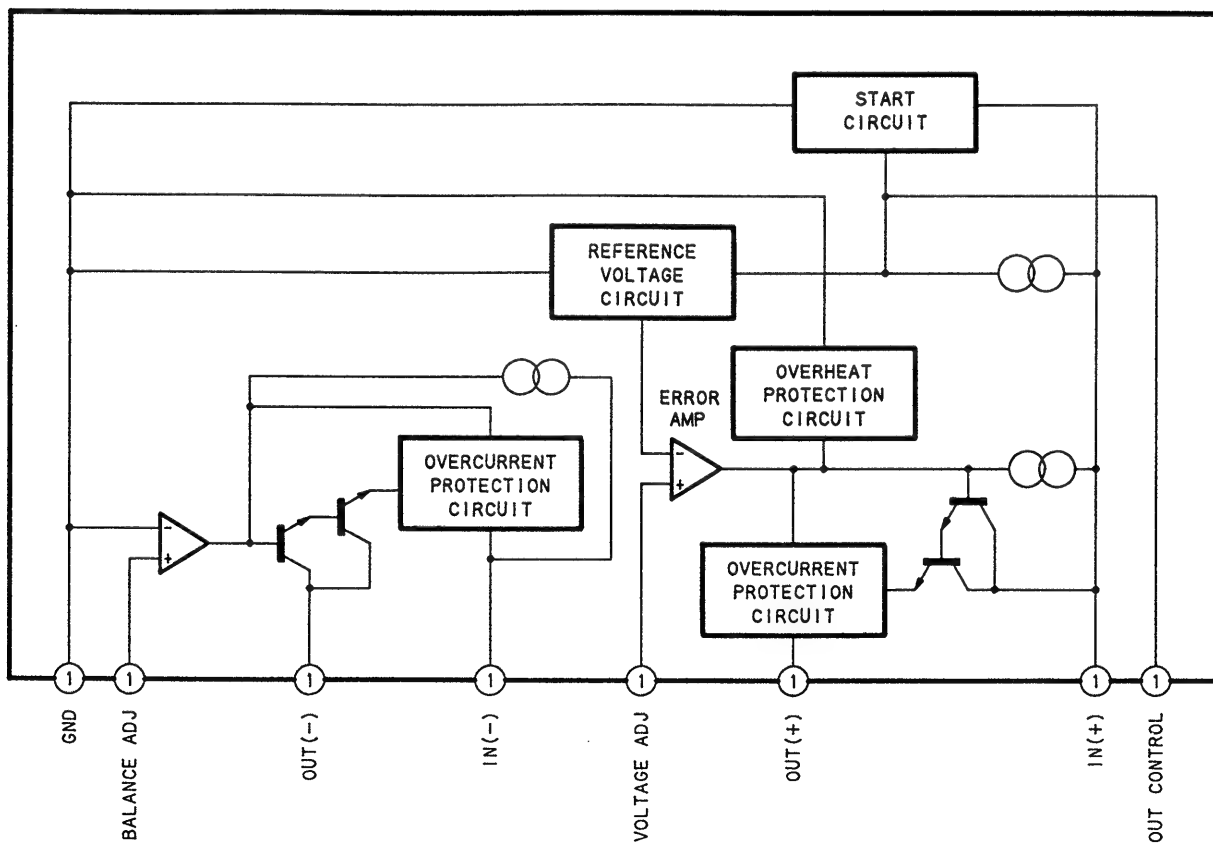
IC601 LB1639



IC701 μ PC1237HA



IC901 M5230L-A



SECTION 4 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- -XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts

Example :

KNOB, BALANCE (WHITE)... (RED)

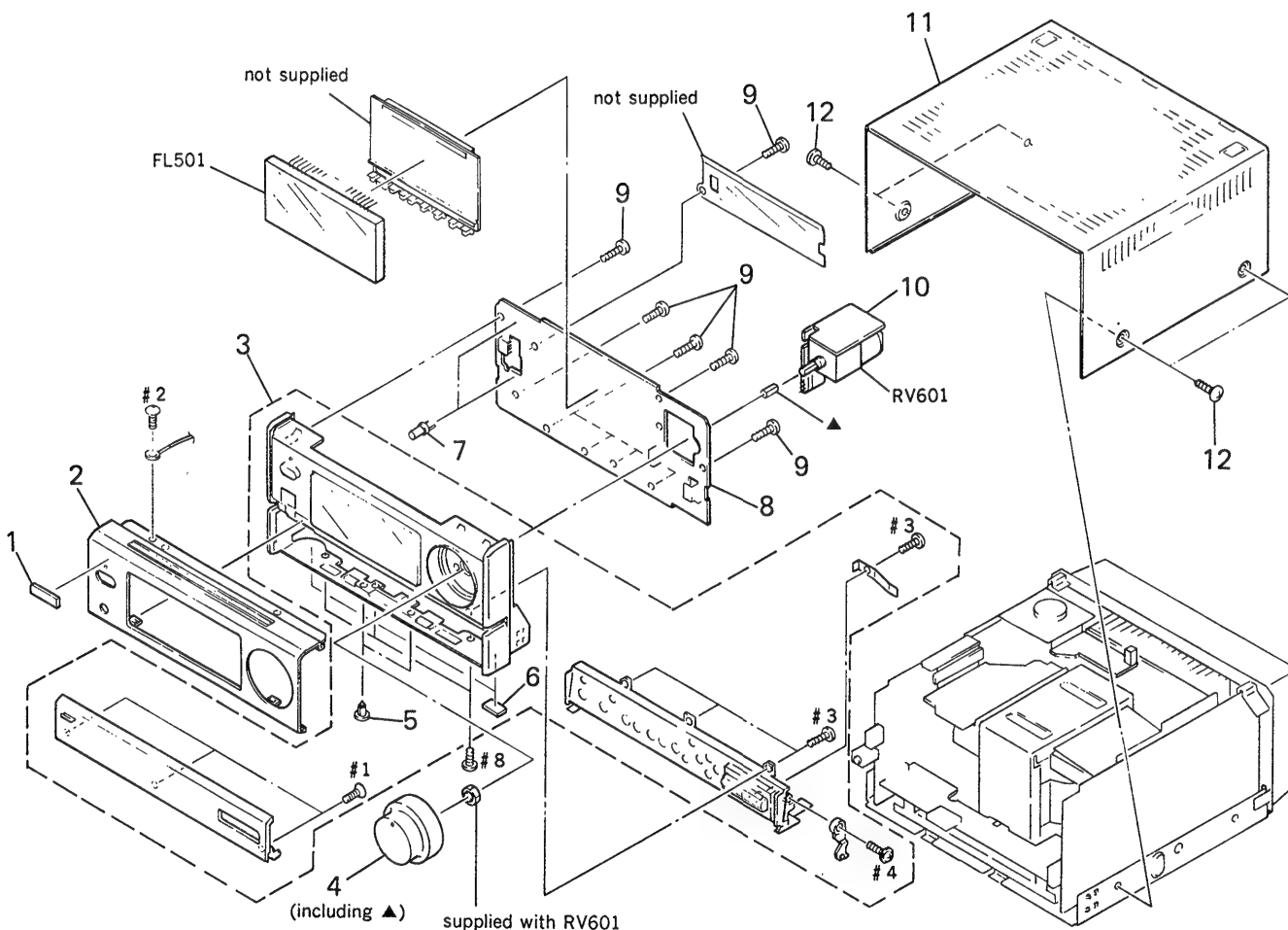
↑ ↑
 Parts Color Cabinet's Color

- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

- EA : Saudi Arabia model
- JE : Tourist model
- G : Germany model
- IT : Italian model

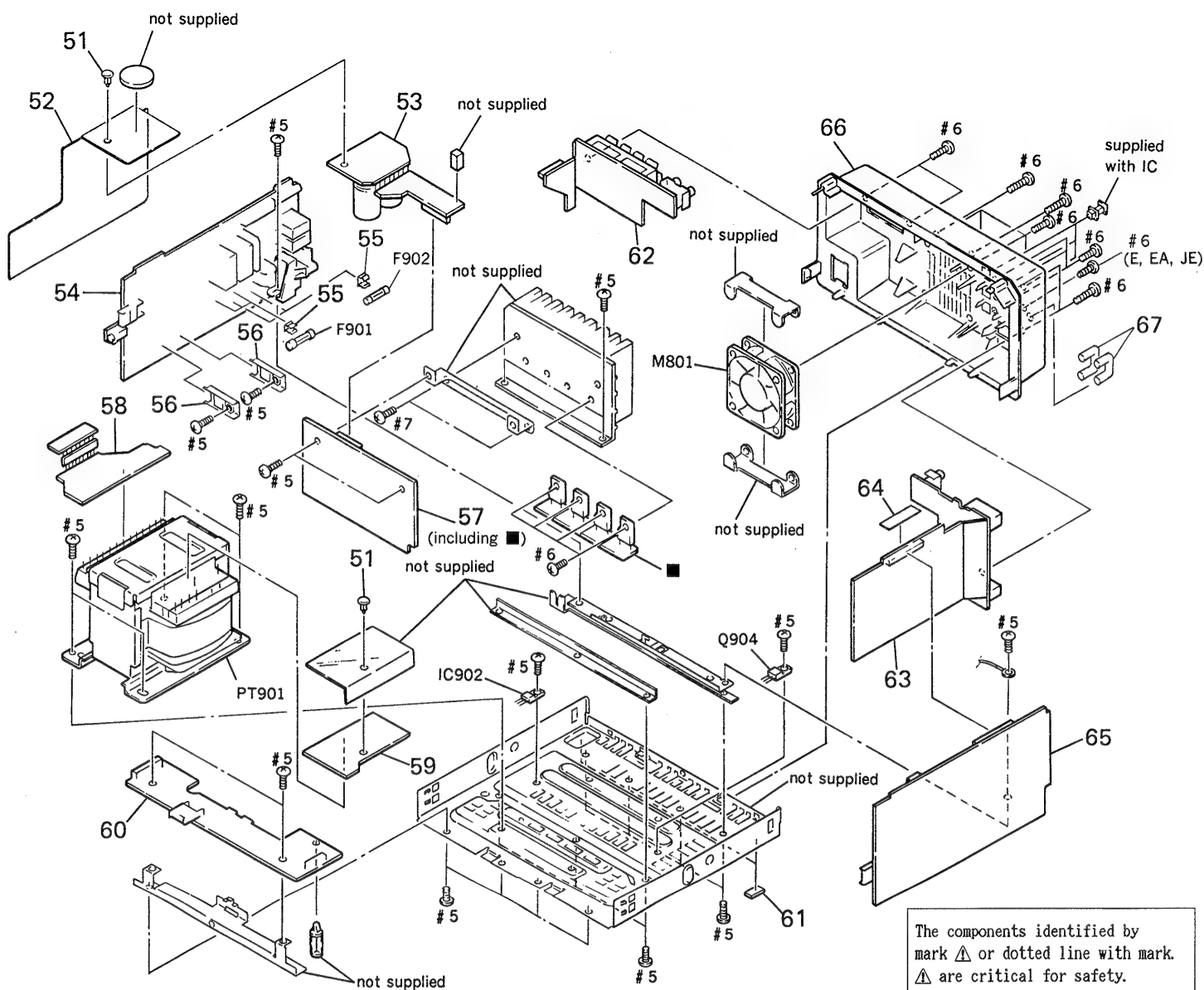
4-1. FRONT PANEL ASSY





Ref. No.	Part No.	Description	Remark
1	4-942-636-11	EMBLEM (NO. 3.5), SONY	
2	X-4942-476-2	PANEL ASSY, FRONT	
3	X-4942-468-2	PANEL (BASE) ASSY (E, EA, JE)	
3	X-4942-470-2	PANEL (BASE) ASSY (AEP, G, IT)	
4	X-4942-478-1	KNOB (VOLUME) ASSY	
5	4-812-134-00	RIVET NYLON, 3.5	
6	4-930-336-21	FOOT (FELT)	
* 7	3-362-478-21	HOLDER (T), LED	

Ref. No.	Part No.	Description	Remark
* 8	A-4347-005-A	PANEL BOARD, COMPLETE (E, EA, JE)	
* 8	A-4347-015-A	PANEL BOARD, COMPLETE (AEP)	
* 8	A-4356-137-A	PANEL BOARD, COMPLETE (G, IT)	
9	4-951-620-01	SCREW (2.6X8), +BVTP	
* 10	1-642-415-11	VOL BOARD	
* 11	4-932-841-71	CASE	
12	3-363-099-01	SCREW (CASE +3X8 TP2)	
FL501	1-519-654-11	INDICATOR TUBE, FLUORESCENT	
RV601	1-241-803-11	RES, VAR, CARBON (WITH MOTOR) 10K (VOLUME)	

4-2. CHASSIS SECTION



The components identified by mark  or dotted line with mark.  are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
51	4-812-134-11	RIVET NYLON, 3.5	
* 52	4-945-055-11	SHEET (INSULATING A)	
* 53	1-642-420-11	ELECT CAPACITOR BOARD	
* 54	A-4347-007-A	POWER BOARD, COMPLETE (AEP)	
* 54	A-4347-012-A	POWER BOARD, COMPLETE (G, IT)	
* 54	A-4347-019-A	POWER BOARD, COMPLETE (E, EA, JE)	
* 55	1-533-213-31	HOLDER, FUSE	
* 56	3-309-144-21	HEAT SINK	
* 57	A-4347-010-A	POWER AMPLIFIER BOARD, COMPLETE (AEP)	
* 57	A-4347-013-A	POWER AMPLIFIER BOARD, COMPLETE (G, IT)	
* 57	A-4347-021-A	POWER AMPLIFIER BOARD, COMPLETE (E, EA, JE)	
* 58	1-642-418-11	TRANSFORMER (A) BOARD	
* 59	1-642-419-11	TRANSFORMER (B) BOARD	
* 60	A-4345-999-A	FLD BOARD, COMPLETE	
61	4-930-336-21	FOOT (FELT)	
* 62	1-642-416-11	SPEAKER BOARD	

Ref. No.	Part No.	Description	Remark
* 63	1-642-413-11	JACK BOARD	
64	4-860-518-00	CUSHION	
* 65	A-4347-003-A	DSP BOARD, COMPLETE (AEP, E, EA, JE)	
* 66	A-4356-123-A	DSP BOARD, COMPLETE (G, IT)	
* 66	4-948-766-11	PANEL, BACK (AEP, G, IT)	
* 66	4-948-766-31	PANEL, BACK (E, EA, JE)	
67	1-535-706-11	PLUG, JUMPER (E, EA, JE)	
△F901	1-532-286-00	FUSE, TIME-LAG (T2. 5A) (AEP, G, IT)	
△F901	1-532-299-00	FUSE, TIME-LAG (T5A) (E, EA, JE)	
△F902	1-532-286-00	FUSE, TIME-LAG (T2. 5A) (E, EA, JE)	
IC902	8-759-231-53	IC M5F7805L	
M801	1-541-860-11	MOTOR, DC FAN	
△PT901	1-450-882-11	TRANSFORMER, POWER (E, EA, JE)	
△PT901	1-450-883-11	TRANSFORMER, POWER (AEP, G, IT)	
Q904	8-729-209-15	TRANSISTOR 2SD2012	

SECTION 5

ELECTRICAL PARTS LIST

DSP

PANEL

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

● SEMICONDUCTORS

In each case, u: μ , for example:uA...: μ A... uPA...: μ PA...uPB...: μ PB... uPC...: μ PC... uPD...: μ PD...

● CAPACITORS

uF: μ F

● COILS

uH: μ H

When indicating parts by reference number, please include the board.

The components identified by mark Δ or dotted line with mark. Δ are critical for safety. Replace only with part number specified.

- EA : Saudi Arabia model
- JE : Tourist model
- G : Germany model
- IT : Italian model

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
*	A-4347-003-A	DSP BOARD, COMPLETE (AEP, E, EA, JE)					C146	1-136-157-00	FILM	0.022uF	5%	50V	
*	A-4356-123-A	DSP BOARD, COMPLETE (G, IT)					C147	1-124-915-11	ELECT	10uF	20%	63V	
		*****					C148	1-126-162-11	ELECT	3.3uF	20%	50V	
*	A-4347-005-A	PANEL BOARD, COMPLETE (E, EA, JE)					C149	1-126-947-11	ELECT	47uF	20%	35V	
*	A-4347-015-A	PANEL BOARD, COMPLETE (AEP)					C150	1-136-157-00	FILM	0.022uF	5%	50V	
*	A-4356-137-A	PANEL BOARD, COMPLETE (G, IT)											
		*****					C151	1-136-157-00	FILM	0.022uF	5%	50V	
							C152	1-126-947-11	ELECT	47uF	20%	35V	
*	3-362-478-21	HOLDER (T), LED					C153	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
		< CAPACITOR >					C154	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
							C155	1-164-346-11	CERAMIC CHIP	1uF		16V	
	C102	1-124-589-11 ELECT	47uF	20%	16V		C156	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V	
	C103	1-124-589-11 ELECT	47uF	20%	16V		C157	1-164-346-11	CERAMIC CHIP	1uF		16V	
	C104	1-136-153-00 FILM	0.01uF	5%	50V		C160	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
	C105	1-136-153-00 FILM	0.01uF	5%	50V		C161	1-164-346-11	CERAMIC CHIP	1uF		16V	
	C106	1-124-589-11 ELECT	47uF	20%	16V		C162	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V	
	C107	1-164-004-11 CERAMIC CHIP	0.1uF	10%	25V		C163	1-164-346-11	CERAMIC CHIP	1uF		16V	
	C108	1-164-004-11 CERAMIC CHIP	0.1uF	10%	25V		C166	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V	
	C109	1-164-232-11 CERAMIC CHIP	0.01uF		50V		C169	1-164-346-11	CERAMIC CHIP	1uF		16V	
	C110	1-164-232-11 CERAMIC CHIP	0.01uF		50V		C170	1-163-109-00	CERAMIC CHIP	47PF	5%	50V	
	C111	1-164-232-11 CERAMIC CHIP	0.01uF		50V		C171	1-163-227-11	CERAMIC CHIP	10PF	5%	50V	
	C125	1-124-915-11 ELECT	10uF	20%	63V		C172	1-163-109-00	CERAMIC CHIP	47PF	5%	50V	
	C126	1-130-475-00 MYLAR	0.0022uF	5%	50V		C173	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C127	1-163-117-00 CERAMIC CHIP	100PF	5%	50V		C174	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C128	1-124-915-11 ELECT	10uF	20%	63V		C175	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	
	C129	1-164-004-11 CERAMIC CHIP	0.1uF	10%	25V		C176	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	
	C130	1-124-915-11 ELECT	10uF	20%	63V		C178	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	
	C131	1-164-004-11 CERAMIC CHIP	0.1uF	10%	25V		C179	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C132	1-124-915-11 ELECT	10uF	20%	63V		C180	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C133	1-164-004-11 CERAMIC CHIP	0.1uF	10%	25V		C183	1-163-227-11	CERAMIC CHIP	10PF	5%	50V	
	C134	1-126-947-11 ELECT	47uF	20%	35V		C184	1-163-227-11	CERAMIC CHIP	10PF	5%	50V	
	C136	1-126-947-11 ELECT	47uF	20%	35V		C185	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C137	1-126-947-11 ELECT	47uF	20%	35V		C186	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C138	1-164-004-11 CERAMIC CHIP	0.1uF	10%	25V		C188	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C139	1-164-346-11 CERAMIC CHIP	1uF		16V		C189	1-124-589-11	ELECT	47uF	20%	16V	
	C140	1-164-346-11 CERAMIC CHIP	1uF		16V		C190	1-164-346-11	CERAMIC CHIP	1uF		16V	
	C141	1-164-004-11 CERAMIC CHIP	0.1uF	10%	25V		C192	1-124-902-00	ELECT	0.47uF	20%	50V	
	C142	1-124-915-11 ELECT	10uF	20%	63V		C193	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C143	1-126-162-11 ELECT	3.3uF	20%	50V		C195	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
	C144	1-126-947-11 ELECT	47uF	20%	35V		C196	1-124-589-11	ELECT	47uF	20%	16V	
	C145	1-136-157-00 FILM	0.022uF	5%	50V		C197	1-126-947-11	ELECT	47uF	20%	35V	

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PANEL

Ref. No.	Part No.	Description			Remark
C198	1-126-947-11	ELECT	47uF	20%	35V
C199	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C201	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C202	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C225	1-124-915-11	ELECT	10uF	20%	63V
C226	1-130-475-00	MYLAR	0.0022uF	5%	50V
C227	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C228	1-124-915-11	ELECT	10uF	20%	63V
C229	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C230	1-124-915-11	ELECT	10uF	20%	63V
C231	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C232	1-124-915-11	ELECT	10uF	20%	63V
C233	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C234	1-126-947-11	ELECT	47uF	20%	35V
C238	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C239	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C240	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C241	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C243	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V
C244	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V
C245	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C249	1-164-346-11	CERAMIC CHIP	1uF		16V
C250	1-164-346-11	CERAMIC CHIP	1uF		16V
C251	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C252	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C253	1-164-346-11	CERAMIC CHIP	1uF		16V
C254	1-164-346-11	CERAMIC CHIP	1uF		16V
C255	1-164-346-11	CERAMIC CHIP	1uF		16V
C256	1-164-346-11	CERAMIC CHIP	1uF		16V
C257	1-164-346-11	CERAMIC CHIP	1uF		16V
C258	1-164-346-11	CERAMIC CHIP	1uF		16V
C259	1-164-346-11	CERAMIC CHIP	1uF		16V
C260	1-164-346-11	CERAMIC CHIP	1uF		16V
C261	1-164-346-11	CERAMIC CHIP	1uF		16V
C262	1-164-346-11	CERAMIC CHIP	1uF		16V
C263	1-164-346-11	CERAMIC CHIP	1uF		16V
C264	1-164-346-11	CERAMIC CHIP	1uF		16V
C269	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C270	1-164-346-11	CERAMIC CHIP	1uF		16V
C271	1-164-346-11	CERAMIC CHIP	1uF		16V
C272	1-124-589-11	ELECT	47uF	20%	16V
C273	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C274	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C275	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C276	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C279	1-126-163-11	ELECT	4.7uF	20%	50V
C280	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C331	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C332	1-163-123-00	CERAMIC CHIP	180PF	5%	50V

Ref. No.	Part No.	Description			Remark
C333	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C334	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C335	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C336	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C337	1-124-229-00	ELECT	33uF	20%	10V
C338	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C339	1-124-229-00	ELECT	33uF	20%	10V
C340	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C341	1-124-229-00	ELECT	33uF	20%	10V
C342	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C343	1-124-229-00	ELECT	33uF	20%	10V
C344	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C345	1-124-229-00	ELECT	33uF	20%	10V
C346	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C347	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C348	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C349	1-126-157-11	ELECT	10uF	20%	16V
C350	1-163-222-11	CERAMIC CHIP	5PF		0.25PF50V
C351	1-124-229-00	ELECT	33uF	20%	10V
C352	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C353	1-124-229-00	ELECT	33uF	20%	10V
C362	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C375	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C376	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C389	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C398	1-136-165-00	FILM	0.1uF	5%	50V
C399	1-136-165-00	FILM	0.1uF	5%	50V
C501	1-124-667-11	ELECT	10uF	20%	100V
C502	1-124-667-11	ELECT	10uF	20%	100V
C504	1-124-667-11	ELECT	10uF	20%	100V
C505	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C507	1-126-157-11	ELECT	10uF	20%	16V
C508	1-124-589-11	ELECT	47uF	20%	16V
C509	1-126-163-11	ELECT	4.7uF	20%	50V
C510	1-126-301-11	ELECT	1uF	20%	50V
C511	1-126-163-11	ELECT	4.7uF	20%	50V
C513	1-163-124-00	CERAMIC CHIP	200PF	5%	50V
C521	1-124-589-11	ELECT	47uF	20%	16V
C522	1-124-589-11	ELECT	47uF	20%	16V
C523	1-163-104-00	CERAMIC CHIP	30PF	5%	50V
C524	1-163-104-00	CERAMIC CHIP	30PF	5%	50V
C525	1-126-176-11	ELECT	220uF	20%	10V
C526	1-126-157-11	ELECT	10uF	20%	16V
C527	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C528	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C529	1-124-234-00	ELECT	22uF	20%	16V
C530	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C531	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C532	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

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Ref. No.	Part No.	Description	Remark
C1201	1-163-005-11	CERAMIC CHIP 470PF 10%	50V
C1202	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	100V
C1251	1-163-005-11	CERAMIC CHIP 470PF 10%	50V
C1252	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	100V
C1270	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C1271	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C1272	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C1273	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C1301	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
C1302	1-164-004-11	CERAMIC CHIP 0.1uF 10%	25V
< CONNECTOR >			
* CN501	1-568-318-11	PLUG, CONNECTOR 6P	
* CN504	1-568-320-11	PLUG, CONNECTOR 8P	
CNJ102	1-568-319-11	SOCKET, CONNECTOR 8P	
CNP101	1-566-144-11	CONNECTOR, BOARD TO BOARD 16P	
CNP103	1-573-146-11	PLUG, CONNECTOR 8P	
* CNP104	1-564-509-11	PLUG, CONNECTOR 6P	
* CNP105	1-564-521-11	PLUG, CONNECTOR 6P	
* CNP502	1-568-320-11	PLUG, CONNECTOR 8P	
CNP503	1-561-115-00	SOCKET, CONNECTOR 6P	
< DIODE >			
D100	8-719-800-76	DIODE 1SS226	
D101	8-719-800-76	DIODE 1SS226	
D103	8-719-800-76	DIODE 1SS226	
D106	8-719-002-81	DIODE 1T363	
D107	8-719-002-81	DIODE 1T363	
D108	8-719-002-81	DIODE 1T363	
D109	8-719-002-81	DIODE 1T363	
D110	8-719-990-39	DIODE DCB010	
D111	8-719-990-39	DIODE DCB010	
D112	8-719-990-39	DIODE DCB010	
D113	8-719-990-39	DIODE DCB010	
D331	8-719-990-39	DIODE DCB010	
D333	8-719-210-39	DIODE EC10QS-04	
D334	8-719-021-49	DIODE UZM6. 2X	
D501	8-719-422-46	DIODE MA8056	
D502	8-719-990-39	DIODE DCB010	
D503	8-719-990-39	DIODE DCB010	
D504	8-719-301-39	LED SEL2210S (PHONO)	
D505	8-719-301-39	LED SEL2210S (CD)	
D506	8-719-301-39	LED SEL2210S (TAPE)	
D507	8-719-301-39	LED SEL2210S (VIDEO2)	
D508	8-719-301-39	LED SEL2210S (VIDEO1)	
D509	8-719-301-39	LED SEL2210S (WAKE UP VOL SET)	
D510	8-719-301-39	LED SEL2210S (ON/STANDBY)	
D511	8-719-301-39	LED SEL2210S (TUNER)	
D512	8-719-301-39	LED SEL2210S (DAT)	

Ref. No.	Part No.	Description	Remark
D514	8-719-301-44	LED SEL2410E-D (VIDEO2)	
D515	8-719-301-44	LED SEL2410E-D (VIDEO1)	
D521	8-719-422-46	DIODE MA8056	
D522	8-719-422-46	DIODE MA8056	
D523	8-719-990-39	DIODE DCB010	
D1201	8-719-800-76	DIODE 1SS226	
D1251	8-719-800-76	DIODE 1SS226	
D1270	8-719-990-39	DIODE DCB010	
< TRANSISTOR >			
FET1201	8-729-232-69	TRANSISTOR 2SK208GR3	
FET1251	8-729-232-69	TRANSISTOR 2SK208GR3	
< FLUORESCENT INDICATOR >			
FL501	1-519-654-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC101	8-759-635-26	IC M5283P	
IC102	8-759-045-15	IC CS5339-KS	
IC103	8-759-805-14	IC LC7822	
IC104	8-759-805-14	IC LC7822	
IC106	8-759-511-68	IC CXD8245M	
IC108	8-752-339-86	IC CXD2557M	
IC109	8-759-059-84	IC M37450M8-514FP	
IC110	8-759-973-04	IC MSM41464-10RS	
IC111	8-752-341-99	IC CXD2701Q	
IC112	8-752-332-80	IC CXD1160AQ	
IC113	8-759-636-55	IC M5218AFP	
IC114	8-759-636-55	IC M5218AFP	
IC115	8-759-636-55	IC M5218AFP	
IC116	8-759-636-55	IC M5218AFP	
IC117	8-759-636-55	IC M5218AFP	
IC118	8-759-636-55	IC M5218AFP	
IC119	8-759-636-55	IC M5218AFP	
IC120	8-759-636-55	IC M5218AFP	
IC121	8-759-908-17	IC TL082CPS	
IC122	8-759-982-44	IC RC79L05A	
IC123	8-759-054-64	IC CXD2905AQ	
IC124	8-759-517-14	IC MB625473PF-G	
IC125	8-759-982-21	IC RC78L05A	
IC331	8-752-349-01	IC CXD2561AM	
IC332	8-752-342-65	IC CXD2560M	
IC333	8-759-234-20	IC TC7S08F	
IC501	8-759-512-46	IC MSC7162	
IC502	8-759-512-45	IC SN755731	
IC503	8-759-512-45	IC SN755731	
IC504	8-759-512-46	IC MSC7162	
IC505	8-759-512-47	IC SN755721	

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Ref. No.	Part No.	Description	Remark
IC506	8-759-059-82	IC TMP90CM40F-2611	
IC507	8-759-605-16	IC M51953BL	
IC508	8-759-059-83	IC MC68HC11L6SC400618FU	
IC509	8-759-512-48	IC XR-1092	
< COIL >			
L100	1-410-397-21	FERRITE BEAD INDUCTOR	
L102	1-406-416-11	COIL (OSC)	
L260	1-412-390-21	INDUCTOR CHIP 0uH	
L262	1-412-390-21	INDUCTOR CHIP 0uH	
L333	1-412-390-21	INDUCTOR CHIP 0uH	
L399	1-410-369-11	INDUCTOR CHIP 1uH	
< TRANSISTOR >			
Q100	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q101	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q102	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q103	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q104	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q105	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q106	8-729-805-65	TRANSISTOR 2SA1344	
Q107	8-729-805-65	TRANSISTOR 2SA1344	
Q108	8-729-805-65	TRANSISTOR 2SA1344	
Q109	8-729-602-21	TRANSISTOR 2SC4154	
Q110	8-729-805-65	TRANSISTOR 2SA1344	
Q111	8-729-805-65	TRANSISTOR 2SA1344	
Q112	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q113	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q114	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q115	8-729-805-41	TRANSISTOR 2SC3398	
Q116	8-729-602-21	TRANSISTOR 2SC4154	
Q117	8-729-602-21	TRANSISTOR 2SC4154	
Q118	8-729-805-41	TRANSISTOR 2SC3398	
Q123	8-729-805-65	TRANSISTOR 2SA1344	
Q124	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q125	8-729-602-36	TRANSISTOR 2SA1602	
Q126	8-729-805-65	TRANSISTOR 2SA1344	
Q127	8-729-805-41	TRANSISTOR 2SC3398	
Q128	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q129	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q130	8-729-805-65	TRANSISTOR 2SA1344	
Q132	8-729-805-65	TRANSISTOR 2SA1344	
Q331	8-729-805-41	TRANSISTOR 2SC3398	
Q332	8-729-805-65	TRANSISTOR 2SA1344	
Q333	8-729-205-97	TRANSISTOR 2SC3668-Y	
Q501	8-729-602-36	TRANSISTOR 2SA1602	
Q502	8-729-602-21	TRANSISTOR 2SC4154	
Q503	8-729-805-65	TRANSISTOR 2SA1344	
Q504	8-729-805-65	TRANSISTOR 2SA1344	

Ref. No.	Part No.	Description	Remark
Q505	8-729-602-36	TRANSISTOR 2SA1602	
Q506	8-729-805-41	TRANSISTOR 2SC3398	
Q507	8-729-602-21	TRANSISTOR 2SC4154	
Q508	8-729-602-21	TRANSISTOR 2SC4154	
Q509	8-729-602-21	TRANSISTOR 2SC4154	
Q510	8-729-602-21	TRANSISTOR 2SC4154	
Q511	8-729-602-21	TRANSISTOR 2SC4154	
Q512	8-729-602-21	TRANSISTOR 2SC4154	
Q513	8-729-602-21	TRANSISTOR 2SC4154	
Q514	8-729-602-21	TRANSISTOR 2SC4154	
Q515	8-729-602-21	TRANSISTOR 2SC4154	
Q516	8-729-602-21	TRANSISTOR 2SC4154	
Q517	8-729-602-21	TRANSISTOR 2SC4154	
Q1201	8-729-602-21	TRANSISTOR 2SC4154	
Q1251	8-729-602-21	TRANSISTOR 2SC4154	
< RESISTOR >			
R101	1-216-081-00	METAL CHIP 22K 5%	1/10W
R103	1-216-025-00	METAL CHIP 100 5%	1/10W
R104	1-216-025-00	METAL CHIP 100 5%	1/10W
R105	1-216-088-00	METAL CHIP 43K 5%	1/10W
R108	1-216-025-00	METAL CHIP 100 5%	1/10W
R109	1-216-025-00	METAL CHIP 100 5%	1/10W
R110	1-216-041-00	METAL CHIP 470 5%	1/10W
R111	1-216-041-00	METAL CHIP 470 5%	1/10W
R112	1-216-041-00	METAL CHIP 470 5%	1/10W
R113	1-216-041-00	METAL CHIP 470 5%	1/10W
R115	1-216-041-00	METAL CHIP 470 5%	1/10W
R116	1-216-041-00	METAL CHIP 470 5%	1/10W
R117	1-216-041-00	METAL CHIP 470 5%	1/10W
R118	1-216-041-00	METAL CHIP 470 5%	1/10W
R126	1-216-071-00	METAL CHIP 8.2K 5%	1/10W
R127	1-216-049-00	METAL CHIP 1K 5%	1/10W
R128	1-216-067-00	METAL CHIP 5.6K 5%	1/10W
R129	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R130	1-216-113-00	METAL CHIP 470K 5%	1/10W
R131	1-216-053-00	METAL CHIP 1.5K 5%	1/10W
R132	1-216-061-00	METAL CHIP 3.3K 5%	1/10W
R133	1-216-113-00	METAL CHIP 470K 5%	1/10W
R134	1-216-043-00	METAL CHIP 560 5%	1/10W
R135	1-216-057-00	METAL CHIP 2.2K 5%	1/10W
R136	1-216-113-00	METAL CHIP 470K 5%	1/10W
R137	1-216-051-00	METAL CHIP 1.2K 5%	1/10W
R138	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R139	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R140	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R141	1-216-097-00	METAL CHIP 100K 5%	1/10W
R142	1-216-097-00	METAL CHIP 100K 5%	1/10W
R143	1-216-097-00	METAL CHIP 100K 5%	1/10W

DSP

PANEL

Ref. No.	Part No.	Description	Remark		
R146	1-216-073-00	METAL CHIP	10K	5%	1/10W
R147	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R148	1-216-073-00	METAL CHIP	10K	5%	1/10W
R149	1-216-073-00	METAL CHIP	10K	5%	1/10W
R150	1-216-097-00	METAL CHIP	100K	5%	1/10W
R151	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R152	1-216-089-00	METAL CHIP	47K	5%	1/10W
R153	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R154	1-216-089-00	METAL CHIP	47K	5%	1/10W
R155	1-216-049-00	METAL CHIP	1K	5%	1/10W
R156	1-216-081-00	METAL CHIP	22K	5%	1/10W
R157	1-216-103-00	METAL CHIP	180K	5%	1/10W
R158	1-216-081-00	METAL CHIP	22K	5%	1/10W
R159	1-216-073-00	METAL CHIP	10K	5%	1/10W
R160	1-216-077-00	METAL CHIP	15K	5%	1/10W
R161	1-216-079-00	METAL CHIP	18K	5%	1/10W
R162	1-216-097-00	METAL CHIP	100K	5%	1/10W
R163	1-216-049-00	METAL CHIP	1K	5%	1/10W
R164	1-216-081-00	METAL CHIP	22K	5%	1/10W
R165	1-216-103-00	METAL CHIP	180K	5%	1/10W
R166	1-216-081-00	METAL CHIP	22K	5%	1/10W
R167	1-216-073-00	METAL CHIP	10K	5%	1/10W
R168	1-216-077-00	METAL CHIP	15K	5%	1/10W
R169	1-216-079-00	METAL CHIP	18K	5%	1/10W
R170	1-216-097-00	METAL CHIP	100K	5%	1/10W
R171	1-216-089-00	METAL CHIP	47K	5%	1/10W
R172	1-216-089-00	METAL CHIP	47K	5%	1/10W
R173	1-216-089-00	METAL CHIP	47K	5%	1/10W
R174	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R175	1-216-089-00	METAL CHIP	47K	5%	1/10W
R176	1-216-041-00	METAL CHIP	470	5%	1/10W
R177	1-216-097-00	METAL CHIP	100K	5%	1/10W
R178	1-216-025-00	METAL CHIP	100	5%	1/10W
R179	1-216-073-00	METAL CHIP	10K	5%	1/10W
R180	1-216-033-00	METAL CHIP	220	5%	1/10W
R181	1-216-033-00	METAL CHIP	220	5%	1/10W
R182	1-216-113-00	METAL CHIP	470K	5%	1/10W
R183	1-216-079-00	METAL CHIP	18K	5%	1/10W
R184	1-216-047-00	METAL CHIP	820	5%	1/10W
R185	1-216-081-00	METAL CHIP	22K	5%	1/10W
R186	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R187	1-216-093-00	METAL CHIP	68K	5%	1/10W
R188	1-216-109-00	METAL CHIP	330K	5%	1/10W
R189	1-216-105-00	METAL CHIP	220K	5%	1/10W
R190	1-216-117-00	METAL CHIP	680K	5%	1/10W
R192	1-216-097-00	METAL CHIP	100K	5%	1/10W
R193	1-216-097-00	METAL CHIP	100K	5%	1/10W
R194	1-216-081-00	METAL CHIP	22K	5%	1/10W
R197	1-216-073-00	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R198	1-216-113-00	METAL CHIP	470K	5%	1/10W
R199	1-216-079-00	METAL CHIP	18K	5%	1/10W
R200	1-216-047-00	METAL CHIP	820	5%	1/10W
R201	1-216-081-00	METAL CHIP	22K	5%	1/10W
R202	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R203	1-216-093-00	METAL CHIP	68K	5%	1/10W
R204	1-216-109-00	METAL CHIP	330K	5%	1/10W
R205	1-216-105-00	METAL CHIP	220K	5%	1/10W
R206	1-216-117-00	METAL CHIP	680K	5%	1/10W
R208	1-216-097-00	METAL CHIP	100K	5%	1/10W
R209	1-216-097-00	METAL CHIP	100K	5%	1/10W
R210	1-216-081-00	METAL CHIP	22K	5%	1/10W
R213	1-216-049-00	METAL CHIP	1K	5%	1/10W
R214	1-216-049-00	METAL CHIP	1K	5%	1/10W
R215	1-216-049-00	METAL CHIP	1K	5%	1/10W
R216	1-216-033-00	METAL CHIP	220	5%	1/10W
R217	1-216-033-00	METAL CHIP	220	5%	1/10W
R226	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R227	1-216-049-00	METAL CHIP	1K	5%	1/10W
R228	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R229	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R230	1-216-113-00	METAL CHIP	470K	5%	1/10W
R231	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R232	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R233	1-216-113-00	METAL CHIP	470K	5%	1/10W
R234	1-216-043-00	METAL CHIP	560	5%	1/10W
R235	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R236	1-216-113-00	METAL CHIP	470K	5%	1/10W
R237	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R238	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R239	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R240	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R241	1-216-073-00	METAL CHIP	10K	5%	1/10W
R242	1-216-097-00	METAL CHIP	100K	5%	1/10W
R243	1-216-097-00	METAL CHIP	100K	5%	1/10W
R250	1-216-037-00	METAL CHIP	330	5%	1/10W
R251	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R252	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R253	1-216-077-00	METAL CHIP	15K	5%	1/10W
R254	1-216-073-00	METAL CHIP	10K	5%	1/10W
R255	1-216-097-00	METAL CHIP	100K	5%	1/10W
R256	1-216-025-00	METAL CHIP	100	5%	1/10W
R257	1-216-025-00	METAL CHIP	100	5%	1/10W
R258	1-216-041-00	METAL CHIP	470	5%	1/10W
R259	1-216-041-00	METAL CHIP	470	5%	1/10W
R261	1-216-017-00	METAL CHIP	47	5%	1/10W
R264	1-216-089-00	METAL CHIP	47K	5%	1/10W
R265	1-216-089-00	METAL CHIP	47K	5%	1/10W
R266	1-216-121-00	METAL CHIP	1M	5%	1/10W

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PANEL

Ref. No.	Part No.	Description	Remark		
R267	1-216-121-00	METAL CHIP	1M	5%	1/10W
R268	1-216-025-00	METAL CHIP	100	5%	1/10W
R269	1-216-025-00	METAL CHIP	100	5%	1/10W
R272	1-216-113-00	METAL CHIP	470K	5%	1/10W
R274	1-216-041-00	METAL CHIP	470	5%	1/10W
R275	1-216-025-00	METAL CHIP	100	5%	1/10W
R276	1-216-025-00	METAL CHIP	100	5%	1/10W
R277	1-216-049-00	METAL CHIP	1K	5%	1/10W
R279	1-216-079-00	METAL CHIP	18K	5%	1/10W
R280	1-216-025-00	METAL CHIP	100	5%	1/10W
R281	1-216-025-00	METAL CHIP	100	5%	1/10W
R282	1-216-025-00	METAL CHIP	100	5%	1/10W
R283	1-216-025-00	METAL CHIP	100	5%	1/10W
R284	1-216-033-00	METAL CHIP	220	5%	1/10W
R285	1-216-025-00	METAL CHIP	100	5%	1/10W
R286	1-216-001-00	METAL CHIP	10	5%	1/10W
R287	1-216-089-00	METAL CHIP	47K	5%	1/10W
R288	1-216-089-00	METAL CHIP	47K	5%	1/10W
R289	1-216-033-00	METAL CHIP	220	5%	1/10W
R290	1-216-033-00	METAL CHIP	220	5%	1/10W
R291	1-216-073-00	METAL CHIP	10K	5%	1/10W
R292	1-216-079-00	METAL CHIP	18K	5%	1/10W
R293	1-216-073-00	METAL CHIP	10K	5%	1/10W
R294	1-216-025-00	METAL CHIP	100	5%	1/10W
R295	1-216-121-00	METAL CHIP	1M	5%	1/10W
R296	1-216-121-00	METAL CHIP	1M	5%	1/10W
R297	1-216-097-00	METAL CHIP	100K	5%	1/10W
R298	1-216-097-00	METAL CHIP	100K	5%	1/10W
R301	1-216-025-00	METAL CHIP	100	5%	1/10W
R302	1-216-025-00	METAL CHIP	100	5%	1/10W
R306	1-216-097-00	METAL CHIP	100K	5%	1/10W
R307	1-216-017-00	METAL CHIP	47	5%	1/10W
R308	1-216-041-00	METAL CHIP	470	5%	1/10W
R309	1-216-073-00	METAL CHIP	10K	5%	1/10W
R310	1-216-073-00	METAL CHIP	10K	5%	1/10W
R311	1-216-073-00	METAL CHIP	10K	5%	1/10W
R312	1-216-073-00	METAL CHIP	10K	5%	1/10W
R313	1-216-073-00	METAL CHIP	10K	5%	1/10W
R314	1-216-073-00	METAL CHIP	10K	5%	1/10W
R317	1-216-025-00	METAL CHIP	100	5%	1/10W
R318	1-216-295-00	METAL CHIP	0	5%	1/10W
R319	1-216-113-00	METAL CHIP	470K	5%	1/10W
R321	1-216-121-00	METAL CHIP	1M	5%	1/10W
R330	1-216-089-00	METAL CHIP	47K	5%	1/10W
R331	1-216-075-00	METAL CHIP	12K	5%	1/10W
R332	1-216-075-00	METAL CHIP	12K	5%	1/10W
R333	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R334	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R335	1-216-075-00	METAL CHIP	12K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R336	1-216-075-00	METAL CHIP	12K	5%	1/10W
R337	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R338	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R339	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R340	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R341	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R342	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R343	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R344	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R345	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R346	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R347	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R348	1-216-088-00	METAL CHIP	43K	5%	1/10W
R349	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R350	1-216-081-00	METAL CHIP	22K	5%	1/10W
R352	1-216-083-00	METAL CHIP	27K	5%	1/10W
R353	1-216-088-00	METAL CHIP	43K	5%	1/10W
R354	1-216-089-00	METAL CHIP	47K	5%	1/10W
R355	1-216-033-00	METAL CHIP	220	5%	1/10W
R358	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R359	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R360	1-216-001-00	METAL CHIP	10	5%	1/10W
R364	1-216-033-00	METAL CHIP	220	5%	1/10W
R398	1-216-076-00	METAL CHIP	13K	5%	1/10W
R399	1-216-076-00	METAL CHIP	13K	5%	1/10W
R501	1-216-121-00	METAL CHIP	1M	5%	1/10W
R502	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R503	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R504	1-216-073-00	METAL CHIP	10K	5%	1/10W
R505	1-216-081-00	METAL CHIP	22K	5%	1/10W
R506	1-216-081-00	METAL CHIP	22K	5%	1/10W
R507	1-216-073-00	METAL CHIP	10K	5%	1/10W
R508	1-216-081-00	METAL CHIP	22K	5%	1/10W
R511	1-216-081-00	METAL CHIP	22K	5%	1/10W
R514	1-216-081-00	METAL CHIP	22K	5%	1/10W
R516	1-216-073-00	METAL CHIP	10K	5%	1/10W
R518	1-216-073-00	METAL CHIP	10K	5%	1/10W
R520	1-216-089-00	METAL CHIP	47K	5%	1/10W
R521	1-216-025-00	METAL CHIP	100	5%	1/10W
R522	1-216-025-00	METAL CHIP	100	5%	1/10W
R523	1-216-121-00	METAL CHIP	1M	5%	1/10W
R524	1-216-025-00	METAL CHIP	100	5%	1/10W
R525	1-216-025-00	METAL CHIP	100	5%	1/10W
R526	1-216-025-00	METAL CHIP	100	5%	1/10W
R527	1-216-025-00	METAL CHIP	100	5%	1/10W
R528	1-216-025-00	METAL CHIP	100	5%	1/10W
R529	1-216-025-00	METAL CHIP	100	5%	1/10W
R530	1-216-025-00	METAL CHIP	100	5%	1/10W
R531	1-216-025-00	METAL CHIP	100	5%	1/10W

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PANEL

Ref. No.	Part No.	Description	Remark			
R532	1-216-025-00	METAL CHIP	100	5%	1/10W	
R534	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R535	1-216-025-00	METAL CHIP	100	5%	1/10W	
R536	1-216-025-00	METAL CHIP	100	5%	1/10W	
R537	1-216-025-00	METAL CHIP	100	5%	1/10W	
R538	1-216-025-00	METAL CHIP	100	5%	1/10W	
R539	1-216-025-00	METAL CHIP	100	5%	1/10W	
R540	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R541	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R542	1-216-025-00	METAL CHIP	100	5%	1/10W	
R543	1-216-025-00	METAL CHIP	100	5%	1/10W	
R544	1-216-027-00	METAL CHIP	120	5%	1/10W	
R545	1-216-027-00	METAL CHIP	120	5%	1/10W	
R546	1-216-027-00	METAL CHIP	120	5%	1/10W	
R547	1-216-027-00	METAL CHIP	120	5%	1/10W	
R548	1-216-029-00	METAL CHIP	150	5%	1/10W	
R549	1-216-029-00	METAL CHIP	150	5%	1/10W	
R550	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R551	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R552	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R553	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R554	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R555	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R556	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R557	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R558	1-216-025-00	METAL CHIP	100	5%	1/10W	
R560	1-216-027-00	METAL CHIP	120	5%	1/10W	
R561	1-216-027-00	METAL CHIP	120	5%	1/10W	
R562	1-216-021-00	METAL CHIP	68	5%	1/10W	
R563	1-216-021-00	METAL CHIP	68	5%	1/10W	
R564	1-216-021-00	METAL CHIP	68	5%	1/10W	
R565	1-216-027-00	METAL CHIP	120	5%	1/10W	
R566	1-216-027-00	METAL CHIP	120	5%	1/10W	
R567	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R568	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R569	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R570	1-216-025-00	METAL CHIP	100	5%	1/10W	
R572	1-216-025-00	METAL CHIP	100	5%	1/10W	
R573	1-216-025-00	METAL CHIP	100	5%	1/10W	
R574	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R575	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R577	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R578	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R579	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R580	1-216-025-00	METAL CHIP	100	5%	1/10W	
R581	1-216-025-00	METAL CHIP	100	5%	1/10W	
R582	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R583	1-216-049-00	METAL CHIP (E, EA, JE)	1K	5%	1/10W	

Ref. No.	Part No.	Description	Remark			
R584	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R585	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R586	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R587	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R588	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R589	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R590	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R591	1-216-019-00	METAL CHIP	56	5%	1/10W	
R592	1-216-019-00	METAL CHIP	56	5%	1/10W	
R593	1-216-019-00	METAL CHIP	56	5%	1/10W	
R594	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R621	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R622	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R623	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1201	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R1203	1-216-093-00	METAL CHIP	68K	5%	1/10W	
R1204	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	
R1205	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1206	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R1207	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R1208	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R1209	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R1210	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R1211	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R1212	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R1213	1-216-113-00	METAL CHIP	470K	5%	1/10W	
R1251	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R1253	1-216-093-00	METAL CHIP	68K	5%	1/10W	
R1254	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	
R1255	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1256	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R1257	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R1258	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R1259	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R1260	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R1261	1-216-109-00	METAL CHIP	330K	5%	1/10W	
R1262	1-216-109-00	METAL CHIP	330K	5%	1/10W	
R1263	1-216-113-00	METAL CHIP	470K	5%	1/10W	
R1270	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R1301	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R1302	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R1303	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R3556	1-216-033-00	METAL CHIP	220	5%	1/10W	
< SWITCH >						
S501	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)				
S502	1-554-303-21	SWITCH, TACTILE (DISPLAY)				
S503	1-554-303-21	SWITCH, TACTILE (DSP)				
S504	1-554-303-21	SWITCH, TACTILE (WAKE UP VOL SET)				

DSP

PANEL

ELECT CAPACITOR

FLD

POWER AMPLIFIER

SPEAKER

TRANSFORMER (A)

TRANSFORMER (B)

VOL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
S505	1-554-303-21	SWITCH, TACTILE (BALANCE)		C710	1-124-910-11	ELECT 47uF	20% 50V
S506	1-554-303-21	SWITCH, TACTILE (PRESET)		C711	1-164-159-11	CERAMIC 0.1uF	50V
S507	1-554-303-21	SWITCH, TACTILE (PARAMETRIC EQUALIZER)		C712	1-164-159-11	CERAMIC 0.1uF	50V
S508	1-554-303-21	SWITCH, TACTILE (DYNAMIC SOUND)		C801	1-124-907-11	ELECT 10uF	20% 50V
S509	1-554-303-21	SWITCH, TACTILE (PRESENCE SURROUND)		C802	1-162-294-31	CERAMIC 0.001uF	10% 50V
						(AEP, E, EA, JE)	
S510	1-554-303-21	SWITCH, TACTILE (ON/OFF)		C803	1-162-282-31	CERAMIC 100PF	10% 50V
S511	1-554-303-21	SWITCH, TACTILE (AI BC)		C804	1-124-927-11	ELECT 4.7uF	20% 100V
S512	1-554-303-21	SWITCH, TACTILE (MEMORY)		C806	1-136-165-00	FILM 0.1uF	5% 50V
S513	1-554-303-21	SWITCH, TACTILE (CURSOR CONTROL ◀)		C807	1-136-165-00	FILM 0.1uF	5% 50V
S514	1-554-303-21	SWITCH, TACTILE (CURSOR CONTROL ▶)		C808	1-136-165-00	FILM 0.1uF	5% 50V
S515	1-554-303-21	SWITCH, TACTILE (CURSOR CONTROL ▼)		C809	1-136-165-00	FILM 0.1uF	5% 50V
S516	1-554-303-21	SWITCH, TACTILE (CURSOR CONTROL ▶)		C811	1-162-306-11	CERAMIC 0.01uF	20% 16V
S517	1-554-303-21	SWITCH, TACTILE (VIDEO FUNCTION)		C821	1-124-907-11	ELECT 10uF	20% 50V
S518	1-554-303-21	SWITCH, TACTILE (AUDIO FUNCTION)		C822	1-162-294-31	CERAMIC 0.001uF	10% 50V
						(AEP, E, EA, JE)	
		< VIBRATOR >		C823	1-162-282-31	CERAMIC 100PF	10% 50V
X100	1-578-667-11	VIBRATOR, CRYSTAL (49.152MHz)					
X101	1-577-253-11	VIBRATOR, CERAMIC (16.93MHz)		C824	1-124-927-11	ELECT 4.7uF	20% 100V
X102	1-579-125-11	VIBRATOR, CERAMIC (8MHz)		C828	1-136-165-00	FILM 0.1uF	5% 50V
X501	1-579-351-11	VIBRATOR, CERAMIC (15MHz)		C829	1-136-165-00	FILM 0.1uF	5% 50V
X502	1-579-125-11	VIBRATOR, CERAMIC (8MHz)		C831	1-162-306-11	CERAMIC 0.01uF	20% 16V
						(AEP, E, EA, JE)	
		*****		C851	1-124-907-11	ELECT 10uF	20% 50V
*	1-642-420-11	ELECT CAPACITOR BOARD					
		*****		C852	1-162-294-31	CERAMIC 0.001uF	10% 50V
*	A-4345-999-A	FLD BOARD, COMPLETE				(AEP, E, EA, JE)	
		*****		C853	1-162-282-31	CERAMIC 100PF	10% 50V
*	A-4347-010-A	POWER AMPLIFIER BOARD, COMPLETE (AEP)		C854	1-124-927-11	ELECT 4.7uF	20% 100V
*	A-4347-013-A	POWER AMPLIFIER BOARD, COMPLETE (G, IT)		C856	1-136-165-00	FILM 0.1uF	5% 50V
*	A-4347-021-A	POWER AMPLIFIER BOARD, COMPLETE (E, EA, JE)		C857	1-136-165-00	FILM 0.1uF	5% 50V

*	1-642-416-11	SPEAKER BOARD		C858	1-136-165-00	FILM 0.1uF	5% 50V
		*****		C859	1-136-165-00	FILM 0.1uF	5% 50V
*	1-642-418-11	TRANSFORMER (A) BOARD		C861	1-162-306-11	CERAMIC 0.01uF	20% 16V
		*****		C871	1-124-907-11	ELECT 10uF	20% 50V
*	1-642-419-11	TRANSFORMER (B) BOARD		C872	1-162-294-31	CERAMIC 0.001uF	10% 50V
		*****				(AEP, E, EA, JE)	
*	1-642-415-11	VOL BOARD					
		*****		C873	1-162-282-31	CERAMIC 100PF	10% 50V
				C874	1-124-927-11	ELECT 4.7uF	20% 100V
		< CAPACITOR >		C878	1-136-165-00	FILM 0.1uF	5% 50V
C601	1-162-306-11	CERAMIC 0.01uF	20% 16V	C879	1-136-165-00	FILM 0.1uF	5% 50V
C602	1-126-933-11	ELECT 100uF	20% 16V	C881	1-162-306-11	CERAMIC 0.01uF	20% 16V
C603	1-124-915-11	ELECT 10uF	20% 63V				
C604	1-124-915-11	ELECT 10uF	20% 63V	C891	1-136-153-00	FILM 0.01uF	5% 50V (G, IT)
C701	1-126-176-11	ELECT 220uF	20% 10V	C892	1-136-153-00	FILM 0.01uF	5% 50V (G, IT)
				C893	1-136-153-00	FILM 0.01uF	5% 50V (G, IT)
C702	1-126-176-11	ELECT 220uF	20% 10V	C894	1-136-153-00	FILM 0.01uF	5% 50V (G, IT)
C704	1-162-306-11	CERAMIC 0.01uF	20% 16V	C901	1-126-224-11	ELECT 4700uF	20% 42V
C706	1-124-927-11	ELECT 4.7uF	20% 100V				
C707	1-126-101-11	ELECT 100uF	20% 16V	C902	1-126-224-11	ELECT 4700uF	20% 42V
C708	1-124-907-11	ELECT 10uF	20% 50V	C905	1-136-171-00	FILM 0.33uF	5% 50V
				C906	1-136-171-00	FILM 0.33uF	5% 50V
C709	1-164-159-11	CERAMIC 0.1uF	50V	C923	1-124-911-11	ELECT 220uF	20% 50V
				C924	1-124-911-11	ELECT 220uF	20% 50V

ELECT CAPACITOR

FLD

POWER AMPLIFIER

SPEAKER

TRANSFORMER (A)

TRANSFORMER (B)

VOL

Ref. No.	Part No.	Description	Remark		
C925	1-124-122-11	ELECT	100uF	20%	50V
C926	1-164-159-11	CERAMIC	0.1uF		50V
C941	1-162-294-31	CERAMIC	0.001uF	10%	50V
C942	1-162-294-31	CERAMIC	0.001uF	10%	50V
C943	1-162-294-31	CERAMIC	0.001uF	10%	50V
C944	1-162-294-31	CERAMIC	0.001uF	10%	50V
C1001	1-123-605-00	ELECT	100uF	20%	100V
C1002	1-124-667-11	ELECT	10uF	20%	100V
C1003	1-124-667-11	ELECT	10uF	20%	100V
C1004	1-124-667-11	ELECT	10uF	20%	100V
C1005	1-124-667-11	ELECT	10uF	20%	100V

< CONNECTOR >

CN601	1-560-942-00	PIN, CONNECTOR 6P
CN891	1-563-311-11	CONNECTOR, BOARD TO BOARD 10P
* CN892	1-564-518-11	PLUG, CONNECTOR 3P
CNJ603	1-569-656-11	HOUSING, CONNECTOR 8P
CNJ604	1-573-147-11	HOUSING, CONNECTOR 12P
CNJ902	1-573-095-11	SOCKET, CONNECTOR 15P
* CNJ911	1-573-094-11	SOCKET, CONNECTOR 13P
* CNJ912	1-573-094-11	SOCKET, CONNECTOR 13P
CNP602	1-568-319-11	SOCKET, CONNECTOR 8P
CNP605	1-564-507-11	PLUG, CONNECTOR 4P
* CNP606	1-564-505-11	PLUG, CONNECTOR 2P
* CNP801	1-564-521-11	PLUG, CONNECTOR 6P
* CNP802	1-573-087-11	PIN, CONNECTOR 13P
* CNP903	1-564-321-00	PIN, CONNECTOR 2P (AEP, G, IT)
CNP903	1-568-106-11	PIN, CONNECTOR 4P (EA, JE)

< DIODE >

D601	8-719-987-63	DIODE	1N4148M
D602	8-719-987-63	DIODE	1N4148M
D701	8-719-987-63	DIODE	1N4148M
D702	8-719-987-63	DIODE	1N4148M
D703	8-719-987-63	DIODE	1N4148M
D704	8-719-987-63	DIODE	1N4148M
D705	8-719-987-63	DIODE	1N4148M
D706	8-719-987-63	DIODE	1N4148M
D801	8-719-987-63	DIODE	1N4148M
D802	8-719-987-63	DIODE	1N4148M
D821	8-719-987-63	DIODE	1N4148M
D822	8-719-987-63	DIODE	1N4148M
D851	8-719-987-63	DIODE	1N4148M
D852	8-719-987-63	DIODE	1N4148M
D871	8-719-987-63	DIODE	1N4148M
D872	8-719-987-63	DIODE	1N4148M
D915	8-719-200-82	DIODE	11ES2
D916	8-719-200-82	DIODE	11ES2
D917	8-719-934-22	DIODE	HZS30-2L

Ref. No.	Part No.	Description	Remark
D918	8-719-014-88	DIODE	UZP-6. 8BC
D1001	8-719-200-82	DIODE	11ES2
D1002	8-719-200-82	DIODE	11ES2
D1003	8-719-200-82	DIODE	11ES2
D1004	8-719-200-82	DIODE	11ES2
D1005	8-719-987-63	DIODE	1N4148M
D1006	8-719-002-73	DIODE	UZL-36M
D1007	8-719-002-73	DIODE	UZL-36M
D1008	8-719-934-26	DIODE	HZS33-2L
D1009	8-719-934-26	DIODE	HZS33-2L
D1010	8-719-934-22	DIODE	HZS30-2L

< IC >

IC601	8-759-820-62	IC	LB1639
IC701	8-759-111-68	IC	uPC1237HA
IC702	8-759-987-16	IC	LM393P
IC703	8-759-947-34	IC	LM35DZ
IC801	8-759-069-56	IC	LM3875-Q
IC821	8-759-069-56	IC	LM3875-Q
IC851	8-759-069-56	IC	LM3875-Q
IC871	8-759-069-56	IC	LM3875-Q

< JACK >

J891	1-537-336-11	TERMINAL BOARD (SPEAKER)
J892	1-573-110-11	JACK, PIN 2P (SURROUND SPEAKER)

< COIL >

* L801	1-420-872-00	COIL, AIR CORE
* L821	1-420-872-00	COIL, AIR CORE
* L851	1-420-872-00	COIL, AIR CORE
* L871	1-420-872-00	COIL, AIR CORE

< TRANSISTOR >

Q601	8-729-801-93	TRANSISTOR	2SD1387
Q602	8-729-900-80	TRANSISTOR	DTC114ES
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE
Q801	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA
Q821	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA
Q851	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA
Q871	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA
Q1001	8-729-111-29	TRANSISTOR	2SD1616A-K
Q1002	8-729-111-29	TRANSISTOR	2SD1616A-K

< RESISTOR >

△R601	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R602	1-249-422-11	CARBON	2.7K	5%	1/4W	
R603	1-249-422-11	CARBON	2.7K	5%	1/4W	
R604	1-249-425-11	CARBON	4.7K	5%	1/4W	
R605	1-249-425-11	CARBON	4.7K	5%	1/4W	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

ELECT CAPACITOR

FLD

POWER AMPLIFIER

SPEAKER

TRANSFORMER (A)

TRANSFORMER (B)

VOL

JACK

POWER

Ref. No.	Part No.	Description	Remark		
R606	1-249-416-11	CARBON	820	5%	1/4W
R607	1-249-425-11	CARBON	4.7K	5%	1/4W
R701	1-249-433-11	CARBON	22K	5%	1/4W
R702	1-249-441-11	CARBON	100K	5%	1/4W
R703	1-249-433-11	CARBON	22K	5%	1/4W
R704	1-249-433-11	CARBON	22K	5%	1/4W
R705	1-249-429-11	CARBON	10K	5%	1/4W
R706	1-249-429-11	CARBON	10K	5%	1/4W
R707	1-249-429-11	CARBON	10K	5%	1/4W
R708	1-249-424-11	CARBON	3.9K	5%	1/4W
R709	1-249-427-11	CARBON	6.8K	5%	1/4W
R710	1-249-429-11	CARBON	10K	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-437-11	CARBON	47K	5%	1/4W
R713	1-249-441-11	CARBON	100K	5%	1/4W
R714	1-249-417-11	CARBON	1K	5%	1/4W
R715	1-249-393-11	CARBON	10	5%	1/4W
R801	1-249-417-11	CARBON	1K	5%	1/4W
R802	1-249-437-11	CARBON	47K	5%	1/4W
R803	1-249-420-11	CARBON	1.8K	5%	1/4W
R804	1-247-870-11	CARBON	43K	5%	1/4W
△R805	1-217-151-00	RES, METAL PLATE	0.22		2W
R806	1-249-417-11	CARBON	1K	5%	1/4W
R807	1-249-431-11	CARBON	15K	5%	1/4W
R808	1-249-441-11	CARBON	100K	5%	1/4W
△R809	1-212-958-00	FUSIBLE	10	5%	1/2W F
R810	1-249-439-11	CARBON	68K	5%	1/4W
R811	1-249-429-11	CARBON	10K	5%	1/4W
R821	1-249-417-11	CARBON	1K	5%	1/4W
R822	1-249-437-11	CARBON	47K	5%	1/4W
R823	1-249-420-11	CARBON	1.8K	5%	1/4W
R824	1-247-874-11	CARBON	62K	5%	1/4W
△R825	1-217-151-00	RES, METAL PLATE	0.22		2W
R826	1-249-417-11	CARBON	1K	5%	1/4W
R827	1-249-431-11	CARBON	15K	5%	1/4W
R828	1-249-441-11	CARBON	100K	5%	1/4W
△R829	1-212-958-00	FUSIBLE	10	5%	1/2W F
R830	1-249-437-11	CARBON	47K	5%	1/4W
R831	1-249-429-11	CARBON	10K	5%	1/4W
R851	1-249-417-11	CARBON	1K	5%	1/4W
R852	1-249-437-11	CARBON	47K	5%	1/4W
R853	1-249-420-11	CARBON	1.8K	5%	1/4W
R854	1-247-870-11	CARBON	43K	5%	1/4W
△R855	1-217-151-00	RES, METAL PLATE	0.22		2W
R856	1-249-417-11	CARBON	1K	5%	1/4W
R857	1-249-431-11	CARBON	15K	5%	1/4W
R858	1-249-441-11	CARBON	100K	5%	1/4W
△R859	1-212-958-00	FUSIBLE	10	5%	1/2W F
R860	1-249-438-11	CARBON	56K	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R861	1-249-429-11	CARBON	10K	5%	1/4W
R871	1-249-417-11	CARBON	1K	5%	1/4W
R872	1-249-437-11	CARBON	47K	5%	1/4W
R873	1-249-420-11	CARBON	1.8K	5%	1/4W
R874	1-247-874-11	CARBON	62K	5%	1/4W
△R875	1-217-151-00	RES, METAL PLATE	0.22		2W
R876	1-249-417-11	CARBON	1K	5%	1/4W
R877	1-249-431-11	CARBON	15K	5%	1/4W
R878	1-249-441-11	CARBON	100K	5%	1/4W
△R879	1-212-958-00	FUSIBLE	10	5%	1/2W F
R880	1-249-436-11	CARBON	39K	5%	1/4W
R881	1-249-429-11	CARBON	10K	5%	1/4W
R891	1-247-727-11	CARBON	10	5%	1/2W (G, IT)
R892	1-247-727-11	CARBON	10	5%	1/2W (G, IT)
R893	1-247-727-11	CARBON	10	5%	1/2W (G, IT)
R894	1-247-727-11	CARBON	10	5%	1/2W (G, IT)
R917	1-247-713-11	CARBON	1K	5%	1/4W
R918	1-249-441-11	CARBON	100K	5%	1/4W
△R1001	1-212-966-00	FUSIBLE	22	5%	1/2W F
R1002	1-249-421-11	CARBON	2.2K	5%	1/4W
R1003	1-249-421-11	CARBON	2.2K	5%	1/4W
R1004	1-247-903-00	CARBON	1M	5%	1/4W
R1005	1-247-902-11	CARBON	910K	5%	1/4W
R1006	1-249-433-11	CARBON	22K	5%	1/4W
△R1901	1-219-134-11	FUSIBLE	0.1	5%	1/4W F
△R1902	1-219-134-11	FUSIBLE	0.1	5%	1/4W F
△R1905	9-910-999-33	FUSIBLE	0.22	5%	1/4W F
△R1906	9-910-999-33	FUSIBLE	0.22	5%	1/4W F
< VARIABLE RESISTOR >					
RV601	1-241-803-11	RES, VAR, CARBON (WITH MOTOR)	10K	(VOLUME)	
< RELAY >					
RY1001	1-515-886-11	RELAY			

*	1-642-413-11	JACK BOARD			

*	A-4347-007-A	POWER BOARD, COMPLETE (AEP)			
*	A-4347-012-A	POWER BOARD, COMPLETE (G, IT)			
*	A-4347-019-A	POWER BOARD, COMPLETE (E, EA, JE)			

*	1-533-213-31	HOLDER, FUSE			
*	3-309-144-21	HEAT SINK			
	7-682-547-04	SCREW +BVTT 3X6 (S)			
< CAPACITOR >					
C1	1-124-915-11	ELECT	10uF	20%	63V
C2	1-162-306-11	CERAMIC	0.01uF	20%	16V

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

JACK

POWER

Ref. No.	Part No.	Description	Remark
C3	1-162-306-11	CERAMIC	0.01uF 20% 16V
C5	1-136-153-00	FILM	0.01uF 5% 50V
C7	1-162-306-11	CERAMIC	0.01uF 20% 16V
C8	1-162-294-31	CERAMIC	0.001uF 10% 50V
C651	1-162-282-31	CERAMIC (AEP, E, EA, JE)	100PF 10% 50V
C651	1-162-286-31	CERAMIC	220PF 10% 50V (G, IT)
C652	1-162-207-31	CERAMIC	22PF 5% 50V (G, IT)
C652	1-162-215-31	CERAMIC (AEP, E, EA, JE)	47PF 5% 50V
C653	1-161-379-00	CERAMIC	0.01uF 20% 25V
C654	1-161-379-00	CERAMIC	0.01uF 20% 25V (G, IT)
C654	1-162-294-31	CERAMIC (AEP, E, EA, JE)	0.001uF 10% 50V
C655	1-124-282-00	ELECT	22uF 20% 25V
C656	1-124-119-00	ELECT	330uF 20% 16V
C661	1-162-282-31	CERAMIC (AEP, E, EA, JE)	100PF 10% 50V
C661	1-162-286-31	CERAMIC	220PF 10% 50V (G, IT)
C662	1-162-207-31	CERAMIC	22PF 5% 50V (G, IT)
C662	1-162-215-31	CERAMIC (AEP, E, EA, JE)	47PF 5% 50V
C663	1-161-379-00	CERAMIC	0.01uF 20% 25V
C664	1-161-379-00	CERAMIC	0.01uF 20% 25V (G, IT)
C664	1-162-294-31	CERAMIC (AEP, E, EA, JE)	0.001uF 10% 50V
C665	1-124-282-00	ELECT	22uF 20% 25V
C666	1-124-119-00	ELECT	330uF 20% 16V
C903	1-126-943-11	ELECT	2200uF 20% 25V
C904	1-126-943-11	ELECT	2200uF 20% 25V
C907	1-136-165-00	FILM	0.1uF 5% 50V
C908	1-136-165-00	FILM	0.1uF 5% 50V
C909	1-124-477-11	ELECT	47uF 20% 25V
C910	1-124-477-11	ELECT	47uF 20% 25V
C911	1-124-915-11	ELECT	10uF 20% 63V
C912	1-124-915-11	ELECT	10uF 20% 63V
C913	1-124-915-11	ELECT	10uF 20% 63V
C914	1-126-937-11	ELECT (AEP, E, EA, JE)	4700uF 20% 16V
C915	1-124-915-11	ELECT	10uF 20% 63V
C916	1-124-915-11	ELECT	10uF 20% 63V
C917	1-126-947-11	ELECT	47uF 20% 35V
C918	1-124-915-11	ELECT	10uF 20% 63V
C1101	1-126-948-11	ELECT	100uF 20% 35V
C1102	1-124-915-11	ELECT	10uF 20% 63V
C1103	1-161-379-00	CERAMIC	0.01uF 20% 25V
C2000	1-101-006-00	CERAMIC	0.047uF 50V

Ref. No.	Part No.	Description	Remark
< CONNECTOR >			
* CN902	1-564-506-11	PLUG, CONNECTOR 3P	
* CN904	1-564-506-11	PLUG, CONNECTOR 3P	
* CNJ1	1-580-739-11	SOCKET, CONNECTOR 15P (SYSTEM CONTROL 1)	
* CNJ2	1-580-740-11	SOCKET, CONNECTOR 17P (SYSTEM CONTROL 2)	
* CNJ3	1-563-534-11	CONNECTOR, BOARD TO BOARD 16P	
* CNP7	1-564-499-11	PIN, CONNECTOR 6P	
* CNP8	1-564-498-11	PIN, CONNECTOR 5P	
* CNP903	1-564-321-00	PIN, CONNECTOR 2P (AEP, G, IT)	
CNP903	1-568-106-11	PIN, CONNECTOR 4P (E, EA, JE)	
* CNP905	1-573-087-11	PIN, CONNECTOR 13P	
CNP906	1-573-109-11	PIN, CONNECTOR 15P	
* CNP907	1-506-981-11	PIN, CONNECTOR 10P	
CNP908	1-568-317-11	SOCKET, CONNECTOR 6P	
* CNP909	1-573-148-11	PLUG, CONNECTOR 12P	
* CNP910	1-564-338-00	PIN, CONNECTOR 4P	
* CNP911	1-564-505-11	PLUG, CONNECTOR 2P	
< DIODE >			
D891	8-719-987-63	DIODE 1N4148M	
D892	8-719-987-63	DIODE 1N4148M	
D901	8-719-510-68	DIODE D5SBA20F01	
D902	8-719-987-63	DIODE 1N4148M	
D903	8-719-987-63	DIODE 1N4148M	
D904	8-719-200-82	DIODE 11ES2	
D905	8-719-200-82	DIODE 11ES2	
D906	8-719-200-82	DIODE 11ES2	
D907	8-719-200-82	DIODE 11ES2	
D908	8-719-200-82	DIODE 11ES2	
D909	8-719-200-82	DIODE 11ES2	
D910	8-719-987-63	DIODE 1N4148M	
D911	8-719-933-36	DIODE HZS6B1L	
D919	8-719-987-63	DIODE 1N4148M	
D920	8-719-987-63	DIODE 1N4148M	
D1101	8-719-200-82	DIODE 11ES2	
D1102	8-719-200-82	DIODE 11ES2	
< IC >			
IC1	8-749-921-11	IC GP1F32R (DIGITAL OPTICAL CD IN)	
IC2	8-749-921-11	IC GP1F32R (DIGITAL OPTICAL DAT IN)	
IC3	8-749-921-12	IC GP1F32T (DIGITAL OPTICAL DAT OUT)	
IC651	8-759-634-50	IC M5218AL	
IC901	8-759-602-66	IC M5230L-A	
< JACK >			
J1	1-565-304-11	JACK, PIN 4P (ADAPTOR) (E, EA, JE)	
J2	1-569-662-11	JACK, PIN 1P (SUPER WOOFER)	
J651	1-562-837-21	JACK (HEADPHONES)	

JACK

POWER

Ref. No.	Part No.	Description	Remark
△J901	1-526-930-11	INLET, AC (∼ AC IN) (E, EA, JE)	
△J901	1-526-931-11	INLET, AC (∼ AC IN) (AEP, G, IT)	
< COIL >			
L1	1-410-397-21	FERRITE BEAD INDUCTOR	
< LINE FILTER >			
△L901	1-424-485-11	FILTER, LINE (AEP, G, IT)	
< TRANSISTOR >			
Q651	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q652	8-729-900-61	TRANSISTOR DTA114ES	
Q661	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q901	8-729-209-15	TRANSISTOR 2SD2012	
Q902	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q903	8-729-900-80	TRANSISTOR DTC114ES	
Q905	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q906	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q908	8-729-801-84	TRANSISTOR 2SB1013-4	
Q909	8-729-111-29	TRANSISTOR 2SD1616A-K	
Q910	8-729-111-29	TRANSISTOR 2SD1616A-K	
Q911	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q1101	8-729-111-29	TRANSISTOR 2SD1616A-K	
Q1601	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q1602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
< RESISTOR >			
△R2	9-910-999-33	FUSIBLE 0.22 5% 1/4W F	
△R3	9-910-999-33	FUSIBLE 0.22 5% 1/4W F	
R5	1-249-409-11	CARBON 220 5% 1/4W	
R651	1-249-433-11	CARBON 22K 5% 1/4W	
R652	1-247-881-00	CARBON 120K 5% 1/4W	
R653	1-249-405-11	CARBON 100 5% 1/4W	
R654	1-249-419-11	CARBON 1.5K 5% 1/4W	
R655	1-249-422-11	CARBON 2.7K 5% 1/4W	
R656	1-249-405-11	CARBON 100 5% 1/4W	
R657	1-249-441-11	CARBON 100K 5% 1/4W	
R658	1-249-429-11	CARBON 10K 5% 1/4W	
R661	1-249-433-11	CARBON 22K 5% 1/4W	
R662	1-247-881-00	CARBON 120K 5% 1/4W	
R663	1-249-405-11	CARBON 100 5% 1/4W	
R666	1-249-405-11	CARBON 100 5% 1/4W	
R668	1-249-429-11	CARBON 10K 5% 1/4W	
R902	1-247-903-00	CARBON 1M 5% 1/4W	
R905	1-249-413-11	CARBON 470 5% 1/4W	
R906	1-249-434-11	CARBON 27K 5% 1/4W	
R907	1-249-425-11	CARBON 4.7K 5% 1/4W	
R908	1-249-431-11	CARBON 15K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R909	1-249-431-11	CARBON 15K 5% 1/4W	
R910	1-249-419-11	CARBON 1.5K 5% 1/4W	
R911	1-249-429-11	CARBON 10K 5% 1/4W	
R912	1-249-429-11	CARBON 10K 5% 1/4W	
R913	1-249-429-11	CARBON 10K 5% 1/4W	
R914	1-249-429-11	CARBON 10K 5% 1/4W	
R919	1-249-429-11	CARBON 10K 5% 1/4W	
R920	1-249-429-11	CARBON 10K 5% 1/4W	
△R921	1-215-863-11	METAL OXIDE 100 5% 1W F	
R922	1-249-429-11	CARBON 10K 5% 1/4W	
R923	1-249-425-11	CARBON 4.7K 5% 1/4W	
R924	1-249-429-11	CARBON 10K 5% 1/4W	
R925	1-249-429-11	CARBON 10K 5% 1/4W	
R926	1-249-429-11	CARBON 10K 5% 1/4W	
△R928	1-216-425-11	METAL OXIDE 56 5% 1W F	
R930	1-249-417-11	CARBON 1K 5% 1/4W	
R931	1-249-441-11	CARBON 100K 5% 1/4W	
R932	1-249-429-11	CARBON 10K 5% 1/4W	
R1101	1-249-429-11	CARBON 10K 5% 1/4W	
< RELAY >			
RY801	1-515-790-11	RELAY	
RY802	1-515-790-11	RELAY	
RY901	1-515-626-11	RELAY	
RY902	1-515-626-11	RELAY	
< SWITCH >			
△S901	1-572-009-21	SELECTOR, VOLTAGE (VOLTAGE SELECTOR) (E, EA, JE)	

MISCELLANEOUS			

67	1-535-706-11	PLUG, JUMPER (E, EA, JE)	
△F901	1-532-286-00	FUSE, TIME-LAG (T2. 5A) (AEP, G, IT)	
△F901	1-532-299-00	FUSE, TIME-LAG (T5A) (E, EA, JE)	
△F902	1-532-286-00	FUSE, TIME-LAG (T2. 5A) (E, EA, JE)	
IC902	8-759-231-53	IC M5F7805L	
M801	1-541-860-11	MOTOR, DC FAN	
△PT901	1-450-882-11	TRANSFORMER, POWER (E, EA, JE)	
△PT901	1-450-883-11	TRANSFORMER, POWER (AEP, G, IT)	
Q904	8-729-209-15	TRANSISTOR 2SD2012	

The components identified by
mark △ or dotted line with mark.
△ are critical for safety.
Replace only with part number
specified.

Ref.No.	Part No.	Description	Remark
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HARDWARE LIST

#1	7-685-203-14	SCREW +KTP 2X5 TYPE2 NON-SLIT	
#2	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
#3	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S	
#4	7-685-132-19	SCREW +PTPWH 2.6X5 (TYPE2)	
#5	7-682-547-04	SCREW +BVTT 3X6 (S)	
#6	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#7	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
#8	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	

